

# **COMPASS BIG BLUE, LLC**

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## **Notification & Certification of Self-Implementing Cleanup and Disposal of PCB Remediation Waste**

Site:

**Former GST Steel Facility  
Tract F-7  
8116 Wilson Road  
Kansas City, MO**

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Submitted To:



**U.S. Environmental Protection Agency  
Region 7  
901 North 5<sup>th</sup> Street  
Kansas City, Kansas 66101**

Prepared For:

**Compass Big Blue, LLC**

8116 Wilson Road  
Kansas City, MO

Report Issue Date: December 8, 2010

Revised Date: November 14, 2011

Final: March 31, 2012

514480



RCRA

# COMPASS BIG BLUE, LLC

March 31, 2012

Mr. Bruce A. Morrison  
Project Manager  
Air and Waste Management Division  
United States Environmental Protection Agency  
Region 7  
901 North 5<sup>th</sup> Street  
Kansas City, Kansas 66101

RECEIVED

APR 05 2012

AWMD/WRAP-KNRP

Re: Notification & Certification of Self Implementing Cleanup and Disposal of PCB Remediation Waste at the Former GST Steel Facility, Tract F-7, 8116 Wilson Road, Kansas City, MO  
EPA ID No. MOD 007 118 029

Dear Mr. Morrison:

This letter is in response to your comments of December 07, 2011, based on your review of Compass Big Blue, LLC's submission of the Notification and & Certification of Self Implementing Cleanup and Disposal of PCB Remediation Waste at the former GST Steel Facility, Tract F-7 (GST), 8116 Wilson Road, Kansas City, Missouri. We have reviewed your comments and have made the appropriate changes in our submission.

We are planning to implement the clean-up of the site Monday, April 16<sup>th</sup>, 2012. Given the limited amount of PCB waste at the site, we have scheduled to be at the site for five days. This schedule includes; mobilization, excavation, transportation and disposal, verification sampling, backfilling, and demobilization from the site. If there is any change to this schedule, we will notify you.

Mr. Morrison, on behalf of Compass Big Blue, LLC, I would like to thank you for your help on this project. Should you have any questions regarding our revised report, please feel free to contact me at (312) 733-9370.

Sincerely,  
Compass Big Blue, LLC.



John M. Kupar, PG

# **Notification & Certification of Self-Implementing Cleanup and Disposal of PCB Remediation Waste**

**Former GST Steel Facility  
Tract F-7  
Kansas City, MO**

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Prepared by:

Sam Peterson, P.G.

Environmental Geologist



Reviewed by:

John Kupar, P.G.

## Table of Contents

1.0	Introduction .....	1
1.1	Background .....	1
1.2	Purpose and Scope .....	2
2.0	SITE SAMPLING PROCEDURES .....	3
2.1	Sample Locations .....	3
2.2	Sampling Procedures .....	3
2.3	Analytical Program.....	3
2.3.1	Sample Collection.....	3
2.3.2	Laboratory Analysis for PCBs .....	4
3.0	SITE REMEDIAL IMPLEMENTATION PLAN .....	5
3.1	Target Cleanup Goals.....	5
3.2	Implementation Plan .....	5
3.2.1	Overview.....	5
3.2.2	Soil Excavation and Backfill .....	5
3.2.3	Verification Sampling.....	5
3.2.4	Disposal.....	6

## EXHIBITS

Exhibit I      Site Location Map

Exhibit II      Aerial Photo

Exhibit III      Boring Location Map

## TABLES

Table A      Soil Analytical Results - PCBs

## **APPENDICES**

**Appendix A Owner Certification**

**Appendix B Laboratory Analytical Results and Chain-of-Custody**

## 1.0 Introduction

### 1.1 Background

Compass Big Blue, LLC (Compass Big Blue) purchased 250 acres of the former GST Steel Facility, located in Kansas City, MO, in 2002. Compass Big Blue has subsequently demolished the majority of the former buildings and site infrastructure to prepare the property for redevelopment. The former GST Steel Facility is located at 8116 Wilson Road in Kansas City, MO (**Exhibit I**). The Tract F-7 property was the former Slag Processing Area of the facility. Tract F-7 (**Exhibit II**) consists of approximately 15.7 acres and is located west of the former Coil Storage Area (Tract-F8) and north of the Former Melt Shop Complex (Tract-F5). A former electric substation was located at the eastern portion of Tract F-7. All buildings and infrastructure have been removed from this tract.

In December of 2007 and February of 2009, Compass Big Blue undertook remedial measures to contain and remove potential PCB contaminated media at the small electrical substation, located at the northeast corner of Tract F-7. The substation was previously vandalized and copper wire and copper containing transformer components were removed from the site. The small metal frame building was demolished and the contents of the building along with the remnants of any electrical equipment and steel from the building were transported and disposed of at a TSCA permitted facility (Wayne Disposal, MID048090633) in Michigan.

In February 2009, sampling of the substations concrete pad was initiated. The sampling program also included sampling of the underlying and adjacent soils to the concrete pad. The sampling results indicated that the northeast portion of the concrete pad was contaminated with high level of PCB's. The sampling results of the soils under the concrete pad and soils adjacent to the pad indicated a localized area of contamination. The northeast ~17' x ~17' of the concrete slab was demolished and sent for offsite disposal at a TSCA permitted facility. The soils were excavated to depths between 0.5' and 1' below ground surface and sent off site for disposal at a permitted TSCA facility.

In October 2010, at the request of the USEPA, in order to fully characterize the site in accordance with 40 CFR 761 Subpart O, Compass Big Blue collected a total of 45 soil samples from 22 different locations. At each location, one soil sample was collected from the surface of the silty clay material located at the interface of the silty clay/slag or silty clay/concrete transition, or from the site surface. At several locations, an additional one or two samples were collected to depths ranging between 2' and 4' below ground surface, in order to delineate the vertical extent of contamination. The attached **Exhibit III and Table A** illustrate the locations, depths, and PCB concentrations detected during this sampling event.

As a result of the impacts revealed during the latest investigation, Compass Big Blue intends to remediate the northeastern portion of the former electrical substation area (Remediation Site). Approximately 100 cubic yards of PCB impacted soil from this area will be excavated, loaded into appropriate containers and disposed of off-site at an approved waste management facility. Compass Big Blue intends to excavate and dispose of all on-site soil that exhibits concentrations of PCBs above the *High Occupancy Area* cleanup level of ≤ 1 ppm.

## **1.2 Purpose and Scope**

This notification and certification (henceforth referred to as the "application") was prepared by Compass Big Blue to satisfy the requirements for Self- Implementing Cleanup and Disposal of PCB Remediation Waste stipulated under 40 CFR 761.61(a)(3) and relies, in part, on the analytical data previously collected at the Remediation Site. The remainder of this application is formatted consistent with 40 CFR 761.61(a)(3).

### ***Content of Notice (Application) pursuant to 40 CFR 761.61(a)(3):***

#### ***[A] The nature of the contamination including the types of materials contaminated.***

The contamination resulted from the release of oil containing Aroclor 1260 from a transformer located within the former electrical substation, as a result of vandalism. Soil and concrete in the vicinity of this former transformer was contaminated by this PCB-containing oil. Therefore, the types of materials contaminated include soil and concrete.

#### ***[B] A summary of the procedures used to sample contaminated and adjacent areas and a table or cleanup site map showing PCB concentrations measured in all precleanup characterization samples.***

Procedures used to sample the contaminated and adjacent areas are summarized in Section 2.0, Site Sampling Procedures. Tables and maps showing a summary of all pre-clean-up characterization results for analysis of PCBs are attached and referenced in Section 2.0, Site Sampling Procedures.

#### ***[C] The location and extent of the identified contaminated area(s), including topographic maps with sample collection sites cross referenced to the sample identification numbers in the data summary from [B].***

Maps depicting the location and extent of contaminated areas cross-referenced to sample identification numbers are included with this application in **Exhibit III** and **Table A** referenced in Section 2.0, Site Sampling Procedures.

#### ***[D] A cleanup plan for the site including schedule, disposal technology, approach and contingencies in the event of the discovery of higher concentrations, wider distributions or other obstacles that would force a change in the cleanup approach.***

The proposed cleanup plan with schedule, disposal technology, and contingencies is included in Section 3.0, Site Remedial Implementation Plan.

#### ***[E] A written certification signed by the owner of the property.***

A signed certification by the owner and responsible party is included in **Appendix A**.

## **2.0 SITE SAMPLING PROCEDURES**

### **2.1 Sample Locations**

In October 2010, grid sampling was conducted at the Remediation Site in order to fully characterize PCB impacts to site soil in accordance with 40 CFR 761 Subpart O. A 1.5 meter square grid was centered in the cleanup area and samples were collected at the intersections on the grid to obtain both vertical and horizontal delineation of PCB impacts in the cleanup area. During this sampling event, Compass Big Blue collected a total of 45 soil samples from 22 different locations. A total of 28 samples were analyzed. At each location, one soil sample was collected from the surface of the silty clay material located at the interface of the silty clay/sludge or silty clay/concrete transition, or at the site surface (between 0' and 1' below ground surface). At several locations, an additional one or two samples were collected to depths ranging between 2' and 4' below ground surface, in order to delineate the vertical extent of contamination. The attached **Exhibit III** and **Table A** illustrate the locations and PCB concentrations detected from this sampling event. All soil samples were analyzed for PCBs by Pace Analytical Services, Inc., in accordance with EPA Method 8082.

### **2.2 Sampling Procedures**

Soil samples collected during the October 2010 sampling event were obtained using a track-mounted Geoprobe® system with a 2.25" diameter Geoprobe® sampling tube. The tube was lined with a disposable 1.5" diameter polyvinyl chloride (PVC) sleeve. Continuous samples were collected from the ground surface to a depth of approximately 4' below ground surface. The sampling tubes were decontaminated prior to each use with an Alconox®/water solution, and were then rinsed with distilled water. The disposable sleeves were discarded after a single use.

### **2.3 Analytical Program**

#### **2.3.1 Sample Collection**

A minimum of 30g of soil was collected from each sample location. Soil was transferred by hand from the disposable liner to a clear 4-ounce glass jar. A new pair of disposable latex gloves was worn for the collection of each sample. All sample containers were pre-cleaned to the U.S. Environmental Protection Agency (EPA) standards and sealed with Teflon® lined plastic screw-on lids. Upon collection of each sample, jars were immediately placed within an insulated cooler filled with ice.

Each soil sample was labeled by a unique identification number upon collection. Each jar was labeled at the time of sampling with the following information using indelible ink:

- Project/site name;
- Date of collection;
- Sample number;
- Name of sample collector

### *2.3.2 Laboratory Analysis for PCBs*

At the completion of sampling, all samples were transported within the ice filled cooler to Pace Analytical Services, Inc., in Lenexa, KS, and subsequently analyzed for PCBs by EPA Method 8082. A chain-of-custody form was prepared, signed, and dated by the sample collector and the laboratory representative who received the samples. The completed chain-of-custody and laboratory analytical report are attached in **Appendix B**.

## **3.0 SITE REMEDIAL IMPLEMENTATION PLAN**

### **3.1 Target Cleanup Goals**

Compass Big Blue intends to remediate the impacted area to the *High Occupancy Area* standard. All soil that exhibits concentrations of PCBs in excess of 1 ppm will be excavated and disposed of off-site.

### **3.2 Implementation Plan**

#### **3.2.1 Overview**

The October 2010 sampling event revealed that PCB impacted soil remains on-site at concentrations in excess of the *High Occupancy Area* standard. However, in several locations, analytical results revealed concentrations below  $\leq 1$  ppm. In accordance with 40 CFR 761.61(a)(6)(ii), the locations of the samples with PCB detections  $\leq 1$  ppm shall serve as the limits of the remediation area. In all other locations, where PCBs were detected at concentrations greater than 1 ppm, Compass Big Blue will excavate both horizontally and vertically to the extent necessary to remove all PCB impacted soil.

#### **3.2.2 Soil Excavation and Backfill**

Remediation will be completed through soil excavation and off-site disposal. Compass Big Blue will excavate all known PCB impacted material and stockpile it on-site for disposal. Excavated material will be placed within a roll-off box lined with high-density polyethylene (HDPE) sheeting. Additionally, HDPE sheeting will be placed on the ground within the work area so as to prevent cross-contamination on-site.

Excavation and disposal will be completed to the limits of all previously collected sample locations exhibiting concentrations of PCBs  $\leq 1$  ppm, and to 1' beyond all field screened sample locations exhibiting concentrations of PCBs below the screening detection limit. Compass Big Blue will use previously collected analytical data to determine the extent of the excavation, where applicable, and collect additional soil samples from the limits of the excavation when necessary to verify cleanup.

Compass Big Blue plans to cover the excavation with HDPE sheeting and place temporary fencing around the remediation area upon the completion of the initial soil excavation activities. Upon receipt of verification sample laboratory analytical results (~ 24 hrs. after collection), Compass Big Blue will either continue excavation in order to remove additional impacted soil, or backfill the excavation with site derived slag material.

#### **3.2.3 Verification Sampling**

Verification sampling will be completed in the same manner as the previously completed characterization sampling. The same 1.5 meter square grid will be utilized to determine the horizontal extents of the impacted area. In order to determine the vertical extent of contamination, Compass Big Blue proposes to collect soil samples at 1' depth intervals.

Initially, all soil known to be impacted with PCBs at concentrations exceeding 1 ppm will be excavated and placed into roll-off boxes. Analytical results from the previous sampling event will be used to establish the initial limits of the excavation. Excavation will then continue horizontally

from the impacted areas to the next point on the 1.5 meter, and vertically an additional 1' below the deepest detected impact. Grid points with previous detections in excess of 1 ppm will be sampled again at a depth 1' greater than previously collected. At each location requiring a new soil sample, one sample will be analyzed using the Dexsil Clor-N-Soil PCB Screening Kit and the Dexsil L2000 PCB/Chloride Analyzer. Should the field screening method indicate the presence of PCBs in excess of 1 ppm, excavation and disposal will continue down an additional 1' from the previous sample location and out to the next grid point. When field screening methods indicate that no PCBs are present at concentrations above 1 ppm, it will be presumed that the remediation limit will have been met. An additional 1' of soil will be excavated from that area, both horizontally and vertically, and an additional soil sample will be collected from that location by hand and submitted for laboratory analysis, as described in Section 2.3.1. Final verification of PCB remediation goals will be based on the results obtained from laboratory analysis.

A Site Specific Health and Safety Plan will be prepared prior to any work being completed on-site. All Compass Big Blue employees, contractors, and site visitors will be required to read and comply with the Site Specific Safety Plan prepared for this task. A copy of the plan will be kept on-site during remediation and verification sampling activities and will available for review upon request.

### **3.2.4 Disposal**

Site materials will be disposed of off-site at either a permitted PCB disposal facility, or in a hazardous waste landfill permitted by EPA under section 3004 of RCRA or permitted by a State as authorized under section 3006 of RCRA (see 40 CFR Part 761.61(a)(5)(i)(B)(2)(iii)). It is anticipated that the PCB Remediation Waste being sent off-site will be sent to Heritage Environmental Services, LLC in Roachdale, Indiana for disposal at Heritage's permitted RCRA Subtitle C (authorized under section 3006 of RCRA) facility. The RCRA operating permit issued for the Heritage Subtitle C landfill contains provisions for the management of PCB Remediation Waste.

### **3.2.5 Schedule**

The project schedule calls for a five day duration including mobilization, excavation, transportation and disposal, verification sampling, backfilling and demobilization. We believe there is flexibility in the schedule given the limited amount of anticipated PCB Remediation Waste to be removed. We anticipate a start date of Monday, April 16<sup>th</sup> and a completion date of Friday, April 20<sup>th</sup>. The project schedule is provided after page 6 of this section.

Activity ID	Description	Original Duration	Early Start	Early Finish	2012 APR								
					14	15	16	17	18	19	20	21	22
1000	Mobilization	1d	16APR12	16APR12									
1010	Excavation	1d	17APR12	17APR12									
1020	T & D	1d	18APR12	18APR12									
1030	Testing	3d	17APR12	19APR12									
1040	Backfill	1d	20APR12	20APR12									
1050	Demobilization	1d	20APR12	20APR12									

**Site Remediation**  
**Former GST Steel Facility**  
**Tract F-7**  
**8116 Wilson road**  
**Kansas City, Mo**

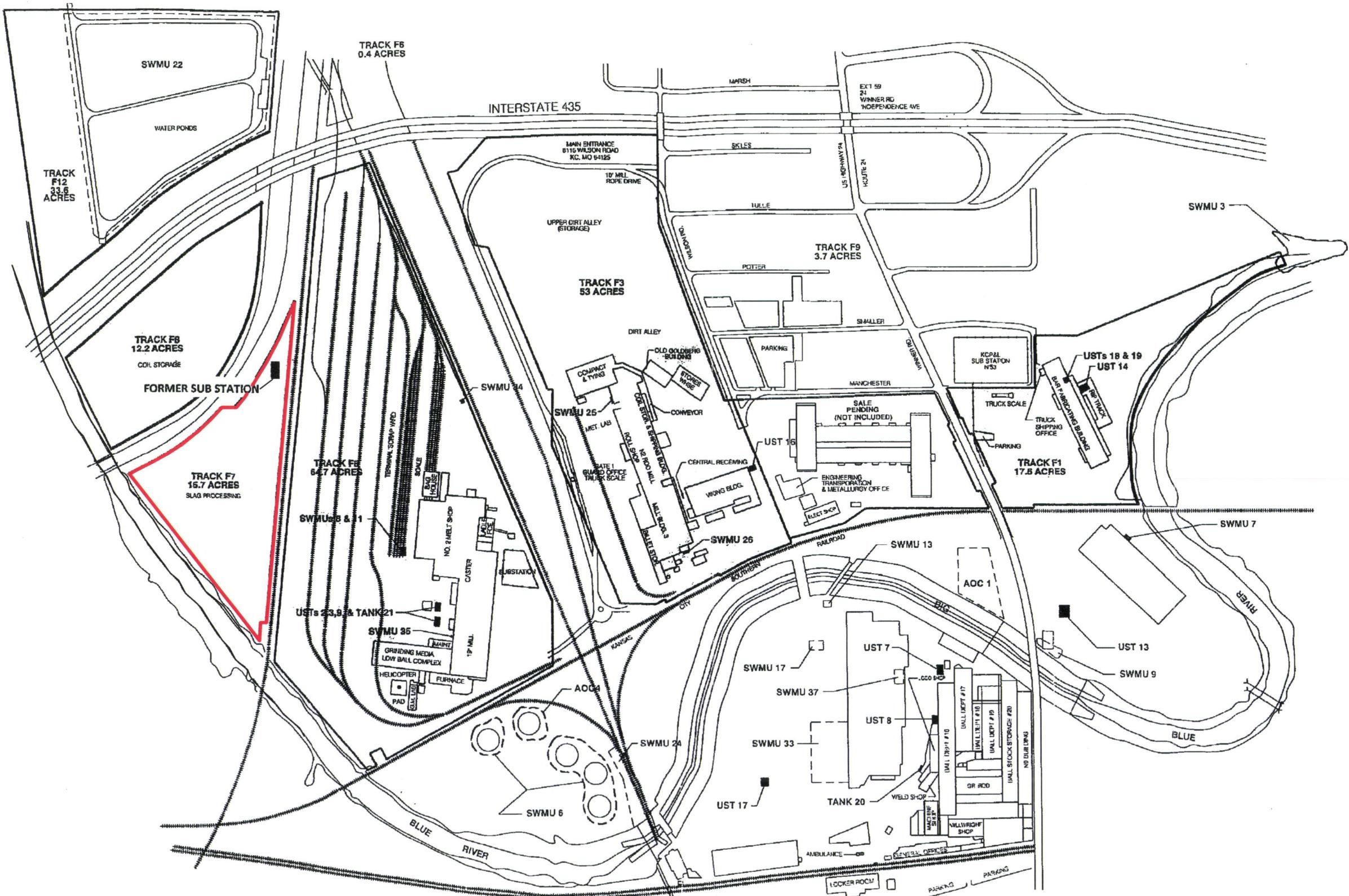
## **EXHIBITS**

**Exhibit I      Site Location Map**

**Exhibit II      Aerial Photo**

**Exhibit III      Boring Location Map**

**Exhibit I**  
**Site Location Map**



Date: September 2010

Scale: 1" = ~ 600'

Drawn by: SP

Checked by: JK

**COMPASS BIG BLUE, LLC**  
8116 Wilson Road  
Kansas City, Missouri 64125

## LEGEND

— Tract F-7

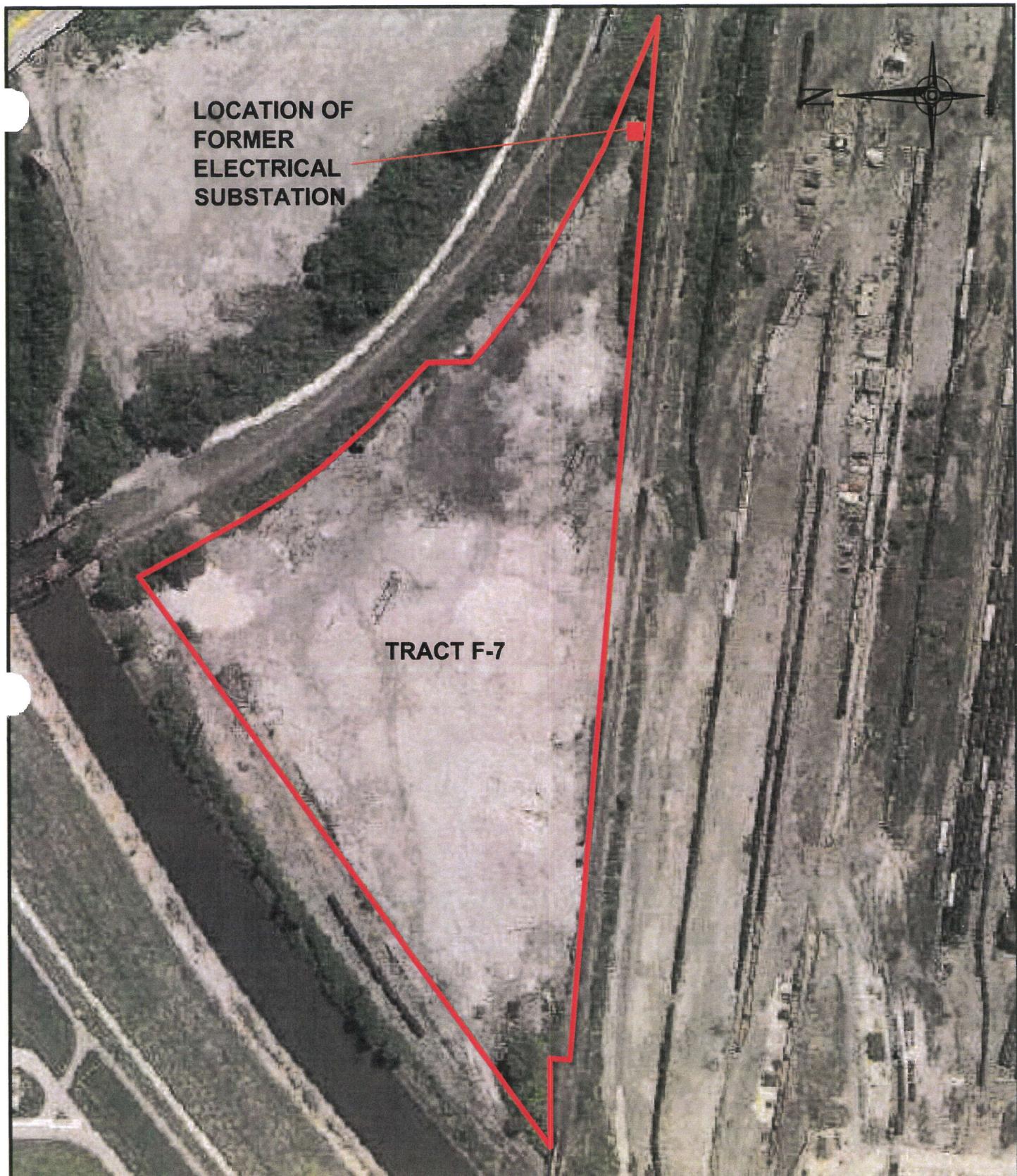
# **Exhibit I: Site Plan**

## **Former GST Steel Facility**

### **Tract F-7**

### **Kansas City, MO**

**Exhibit II**  
**Aerial Photo**



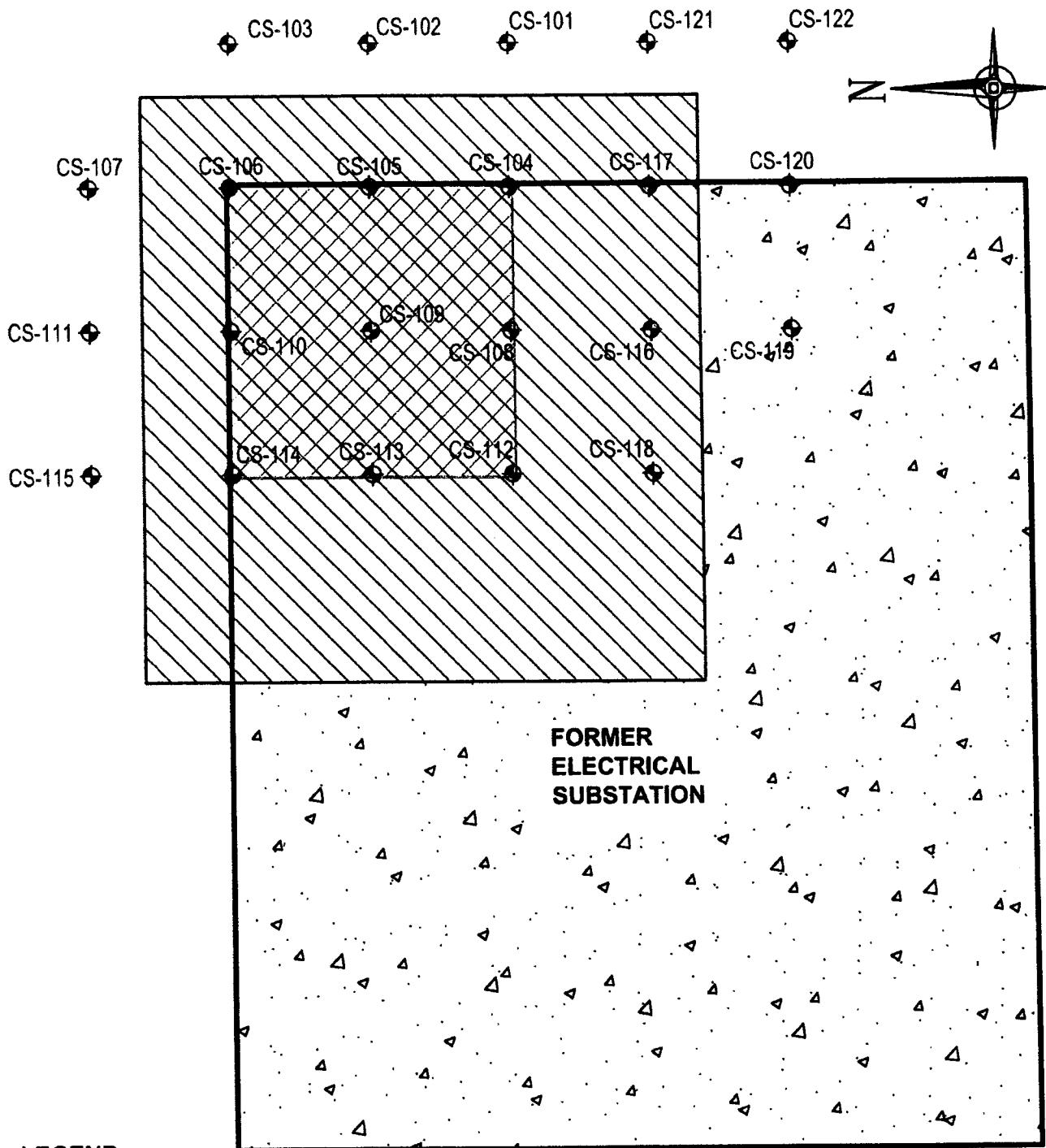
Date:	September 2010
Scale:	NTS
Drawn by:	SP
Checked by:	JK
<b>COMPASS BIG BLUE, LLC</b> 8116 Wilson Road Kansas City, Missouri 64125	

**Exhibit II: Aerial Photo**  
Former GST Steel Facility  
Tract F-7  
Kansas City, MO

**LEGEND**

— Tract F-7

**Exhibit III**  
**Boring Location Map**



Date:	November 2010
Scale:	1" = 5'
Drawn by:	SP
Checked by:	JK
<b>COMPASS BIG BLUE, LLC</b> 8116 Wilson Road Kansas City, Missouri 64125	

**Exhibit III: Boring Location Map**  
Former GST Steel Facility  
Tract F-7  
Kansas City, MO

## TABLES

Table A      Soil Analytical Results - PCBs

**Table A**  
**Soil Analytical Results - PCBs**

TABLE A

**Soil Analytical Results**  
**PCBs**

**Compass Big Blue - Tract F-7**  
**8116 Wilson Road**  
**Kansas City, Missouri**

Analyte	EPA Remediation Objectives		Sample Date Depth (feet)	CS-101	CS-102	CS-103	CS-104	CS-104	CS-105	CS-105	CS-106
	High Occupancy	Low Occupancy		10/19/10 1'-1.25'	10/19/10 1'-1.25'	10/19/10 0'-0.25'	10/19/10 1.25'-1.5'	10/19/10 0'-2.25'	10/19/10 1'-1.25'	10/19/10 1.75'-2'	10/19/10 1'-1.25'
PCB-1016	1	25		ND	ND	ND	ND	ND	ND	ND	ND
PCB-1221	1	25		ND	ND	ND	ND	ND	ND	ND	ND
PCB-1232	1	25		ND	ND	ND	ND	ND	ND	ND	ND
PCB-1242	1	25		ND	ND	ND	ND	ND	ND	ND	ND
PCB-1248	1	25		ND	ND	ND	ND	ND	ND	ND	ND
PCB-1254	1	25		ND	ND	ND	ND	ND	ND	ND	ND
PCB-1260	1	25		0.882	1.74	0.738	8.93	3.31	90.8	28.3	0.321

**NOTES:**

1. All results expressed in milligrams per kilogram.
2. ND = Not Detected at or above adjusted reporting limit.
3. Samples were analyzed utilizing EPA Method 8082.
4. **Bold values** = Concentration exceeds EPA High Occupancy remediation objective.
5.  = Concentration exceeds EPA Low Occupancy remediation objective.

TABLE A

**Soil Analytical Results  
PCBs**

**Compass Big Blue - Tract F-7  
8116 Wilson Road  
Kansas City, Missouri**

Analyte	EPA Remediation Objectives		Sample Date Depth (feet)	CS-106	CS-107	CS-108	CS-108	CS-109	CS-109	CS-110	CS-110
	High Occupancy	Low Occupancy		10/19/10 1.75'-2'	10/19/10 1'-1.25'	10/19/10 1'-1.25'	10/19/10 3.75'-4'	10/19/10 1.5'-1.75'	10/19/10 2'-2.25'	10/19/10 1.5'-1.75'	10/19/10 2.75'-3'
PCB-1016	1	25		ND	ND	ND	ND	ND	ND	ND	ND
PCB-1221	1	25		ND	ND	ND	ND	ND	ND	ND	ND
PCB-1232	1	25		ND	ND	ND	ND	ND	ND	ND	ND
PCB-1242	1	25		ND	ND	ND	ND	ND	ND	ND	ND
PCB-1248	1	25		ND	ND	ND	ND	ND	ND	ND	ND
PCB-1254	1	25		ND	ND	ND	ND	ND	ND	ND	ND
PCB-1260	1	25		3.02	0.411	21,300	12,900	8.64	0.653	1.17	ND

**NOTES:**

1. All results expressed in milligrams per kilogram.
2. ND = Not Detected at or above adjusted reporting limit.
3. Samples were analyzed utilizing EPA Method 8082.
4. **Bold values** = Concentration exceeds EPA High Occupancy remediation objective.
5.  = Concentration exceeds EPA Low Occupancy remediation objective.

TABLE A

**Soil Analytical Results  
PCBs**

**Compass Big Blue - Tract F-7  
8116 Wilson Road  
Kansas City, Missouri**

Analyte	EPA Remediation Objectives		Sample Date Depth (feet)	CS-111	CS-112	CS-113	CS-114	CS-115	CS-116	CS-116	CS-117	CS-117
	High Occupancy	Low Occupancy		10/19/10 0.5'-0.75'	10/19/10 1'-1.25'	10/19/10 1.1'-1.35'	10/19/10 1'-1.25'	10/19/10 0.5'-0.75'	10/19/10 0.5'-0.75'	10/19/10 3.75'-4'	10/19/10 1'-1.25'	10/19/10 2'-2.25'
PCB-1016	1	25		ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB-1221	1	25		ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB-1232	1	25		ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB-1242	1	25		ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB-1248	1	25		ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB-1254	1	25		ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB-1260	1	25		0.806	<b>27.2</b>	0.841	ND	ND	<b>13,700</b>	<b>441</b>	<b>150</b>	<b>40.6</b>

**NOTES:**

1. All results expressed in milligrams per kilogram.
2. ND = Not Detected at or above adjusted reporting limit.
3. Samples were analyzed utilizing EPA Method 8082.
4. **Bold values** = Concentration exceeds EPA High Occupancy remediation objective.
5.  = Concentration exceeds EPA Low Occupancy remediation objective.

TABLE A

**Soil Analytical Results**  
**PCBs**

**Compass Big Blue - Tract F-7**  
**8116 Wilson Road**  
**Kansas City, Missouri**

Analyte	EPA Remediation Objectives		Sample Date Depth (feet)	CS-118	CS-118	CS-119
	High Occupancy	Low Occupancy		10/19/10	10/19/10	10/19/10
				1'-1.25'	2'-2.25'	0.5'-1'
PCB-1016	1	25		ND	ND	ND
PCB-1221	1	25		ND	ND	ND
PCB-1232	1	25		ND	ND	ND
PCB-1242	1	25		ND	ND	ND
PCB-1248	1	25		ND	ND	ND
PCB-1254	1	25		ND	ND	ND
PCB-1260	1	25		0.426	22.3	ND

**NOTES:**

1. All results expressed in milligrams per kilogram.
2. ND = Not Detected at or above adjusted reporting limit.
3. Samples were analyzed utilizing EPA Method 8082.
4. **Bold values** = Concentration exceeds EPA High Occupancy remediation objective.
5. **[ ]** = Concentration exceeds EPA Low Occupancy remediation objective.

## **APPENDICES**

**Appendix A    Owner Certification**

**Appendix B    Laboratory Analytical Results and Chain-of-Custody**

## **Appendix A**

### **Owner Certification**

# **COMPASS BIG BLUE, LLC**

8116 Wilson Road

Kansas City, MO 64125

## **Property Owner and Responsible Party Certification**

### **Notification & Certification of Self-Implementing Cleanup & Disposal of PCB Remediation Waste Former GST Steel Facility, Tract F-7 Kansas City, MO**

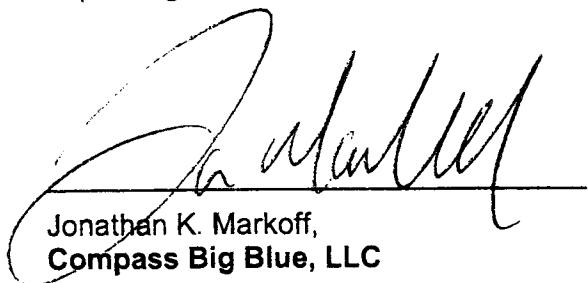
The Notification & Certification of Self-Implementing Cleanup & Disposal of PCB Remediation Waste (Notification) describes response actions that will be conducted at Tract F-7 of the Former GST Steel Facility in Kansas City, MO.

As the property owner and party responsible for conducting the proposed cleanup described in the Notification, Compass Big Blue, LLC certifies that all sampling plans, sample collection procedures, preparation and extraction procedures, instrument and chemical analysis procedures used to assess or characterize the PCB contamination at the Site are on file at the following location(s) for EPA inspection:

**Compass Big Blue, LLC**  
1302 West Randolph Street  
Chicago, Illinois 60119

**Compass Big Blue, LLC**  
8116 Wilson Road  
Kansas City, MO 64125

To access these files, please contact Mr. John M. Kupar at (312) 733-9370 – office phone; (630) 235-8555 – cell phone, to arrange an appointment and identify the specific records to be inspected. Compass Big Blue, LLC will compile the information requested and make the information available for review in our office or transmit copies directly to the EPA representative requesting the information.



Jonathan K. Markoff,  
**Compass Big Blue, LLC**

12/9/10  
Date

**Appendix B**  
**Laboratory Analytical Results and Chain-of-Custody**



# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 4  
1369169

## Section A Required Client Information:

Company: COMPASS Beta Blue  
Address: 8116 WILSON RD.  
Kansas City, MO  
Email To: JKUPAR@KCOMGATEWAY.NET.COM  
Phone: 600-235-1855 Fax:  
Requested Due Date/TAT: Standard

## Section B Required Project Information:

Report To: John KUPAR  
Copy To: Sam Peterson (773-332-9257)  
Purchase Order No.:  
Project Name:  
Project Number:

## Section C Invoice Information:

Attention:  
Company Name:  
Address:  
Pace Quote Reference:  
Pace Project Manager:  
Pace Profile #:

## REGULATORY AGENCY

NPDES  GROUND WATER  DRINKING WATER  
 UST  RCRA  OTHER

## Site Location

STATE:

## Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives						Y/N	Analysis Test ↓	Y/N	Residual Chlorine (Y/N)	Pace Project No./Lab I.D.						
		MATRIX CODE MATRIX / CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COMPOSITE START			H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Methanol	Other										
DATE	TIME	DATE	TIME	10/19/10	0805	1	X																	
1	CS-112/1-1.25	SL	G			10/19/10	0820	1	X											w6fu 001				
2	CS-113/1-1-1.35	SL	G			10/19/10	0830	1	X											002				
3	CS-114/1-1.25	SL	G			10/19/10	0845	1	X											003				
4	CS-108/1-1.25	SL	G			10/19/10	0848	1	X											004				
5	CS-108/3.75-4'	SL	G			10/19/10	0905	1	X											005				
6	CS-116/0.5-0.75	SL	G			10/19/10	0910	1	X											006				
7	CS-116/3.75-4'	SL	G			10/19/10	0925	1	X											007				
8	CS-109/1.5-1.75	SL	G			10/19/10	0940	1	X											008				
9	CS-109/2-2.25	SL	G			10/19/10	0942	1	X											009				
10	CS-109/3.75-4'	SL	G			10/19/10	0955	1	X											010				
11	CS-110/1.5-1.75	SL	G			10/19/10	0958	1	X											011				
12	CS-110/3.75-3	SL	G																	012				
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION				DATE	TIME	ACCEPTED BY / AFFILIATION				DATE	TIME	SAMPLE CONDITIONS										
SEE SAMPLES FOR HOLD						10/19/10	1628					10/19	1626	5.2	T	Y	L							
ORIGINAL		SAMPLER NAME AND SIGNATURE												Temp in °C	Received on Ice (Y/N)	Custody Sealed/Cooler (Y/N)	Samples Intact (Y/N)							
PRINT Name of SAMPLER:												DATE Signed (MM/DD/YYYY):												
SIGNATURE of SAMPLER:																								

\*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.



# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

## Section A Required Client Information:

Company: Compass Big Blue

Address: 8116 Wilson Rd

Kansas City, MO 64125

Email To: gschwartz@milerail.com

Phone: (773) 619-4556 Fax: (866) 562-1217

Requested Due Date/TAT:  
STANDARD

## Section B Required Project Information:

Report To: Glen Schwartz

Copy To: Sam Peterson

Johanna KWPATR

Purchase Order No.:

Project Name:

Project Number:

## Section C Invoice Information:

Attention:

Company Name:

Address:

Pace Quote Reference:

Pace Project Manager:

Pace Profile #: 4572-1

Page: 2 of 4

## REGULATORY AGENCY

NPDES  GROUND WATER  DRINKING WATER  
 UST  RCRA  OTHER

Site Location

MO

STATE:

## Requested Analysis Filtered (Y/N)

6087699

ITEM #	Section D Required Client Information		Valid Matrix Codes		MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives						Y/N ↓ Analysis Test ↓ (40282)	PERS	Residual Chlorine (Y/N)	Pace Project No./Lab I.D.
	MATRIX	CODE	DATE	TIME			COMPOSITE START	COMPOSITE END/GRAB			H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> SO <sub>3</sub>	Methanol				
1	CS-104	1-25-1-5	SL G		10/1/10	10:00'	X											N	WBFU 013	
2	CS-104	1-2-2-25	SL G			10:03	X											HOLD	014	
3	CS-104	13-75-4	SL G			10:15	X											HOLD	015	
4	CS-105	1-1-25	SL G			10:23	X											HOLD	016	
5	CS-105	1-75-2	SL G			10:05	X											HOLD	017	
6	CS-106	1-1-25	SL G			10:10	X											HOLD	018	
7	CS-106	1-75-2	SL G			10:15	X											HOLD	019	
8	CS-101	1-1-25	SL G			11:15	X											HOLD	020	
9	CS-101	1-75-2	SL G			11:18	X											HOLD	021	
10	CS-103	1-1-25	SL G			11:30	X											HOLD	022	
11	CS-103	1-2-2-25	SL G			11:33	X											HOLD	023	
12	CS-103	1-6-0-25	SL G			11:48	X											HOLD	024	
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS										
SEE SAMPLES FOR HOLD		<i>[Signature]</i>		10/1/10	14:26	<i>[Signature]</i>		10/19	16:26	5.2	Y	Y	Y							
SAMPLER NAME AND SIGNATURE										Temp in °C Received on Ice (Y/N)	Custody Sealed/Coder (Y/N)	Samples intact (Y/N)								
PRINT Name of SAMPLER:																				
SIGNATURE of SAMPLER:																				

\*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.



# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

## Section A

### Required Client Information:

Company: Compass Big Blue  
Address: 8116 Wilson Rd  
Kansas City, MO 64125  
Email To: gschwartz@milerail.com  
Phone: (773) 619-4556 Fax: (866) 562-1217  
Requested Due Date/TAT: STANDARD

## Section B

### Required Project Information:

Report To: Glen Schwartz  
Copy To: Sam Peterson  
Purchase Order No.:  
Project Name:  
Project Number:

## Section C

### Invoice Information:

Attention:

Company Name:

Address:

Pace Quote

Reference:

Pace Project Sherri Guess

Manager:

Pace Profile #: 4572-1

Page:

3

of

### REGULATORY AGENCY

NPDES  GROUND WATER  DRINKING WATER  
 UST  RCRA  OTHER

Site Location

STATE: MO

### Requested Analysis Filtered (Y/N)

GOB 7699

ITEM #	Section D Required Client Information		Valid Matrix Codes MATRIX CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives						Y/N Analysis Test!	Y/N Species	Y/N Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
	SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	TS				DATE	TIME			DATE	TIME	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH				
1	CS-103/2-2-25	SL G		10/9/10	1150	1	X											N HOLD WFW 025	
2	CS-107/1-1-25	SL G			1200	1	X											026	
3	CS-107/2-2-25	SL G			1203	1	X											027	
4	CS-111/2-5-6-25	SL G			1212	1	X											028	
5	CS-111/2-2-25	SL G			1215	1	X											029	
6	CS-115/6.5-0.75	SL G			1222	1	X											030	
7	CS-115/2-2-25	SL G			1225	1	X											031	
8	CS-117/1-1-25	SL G			1238	1	X											032	
9	CS-117/2-2-25	SL G			1240	1	X											033	
10	CS-117/3.25-3.5	SL G			1242	1	X											034	
11	CS-118/1-1-25	SL G			1250	1	X											035	
12	CS-118/2-2-25	SL G			1252	1	X											036	
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS									
SEE SAMPLES FOR HOLD				10/9/10	1622	D.R.		10/19	1626	5.2	~	~	~	~	Temp in °C				
															Received on 10/19/10 (Y/N)				
															Custody Sealed Coder (Y/N)				
															Sample Intact (Y/N)				

### SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER:

DATE Signed  
(MM/DD/YYYY):

F-ALL-Q-020rev.07, 15-Feb-2007

\*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.



**CHAIN-OF-CU**      **DY / Analytical Request Document**

**The Chain of Custody is a Legal Document. All relevant fields must be completed accurately.**

**Important Note:** By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.



## Sample Condition Upon Receipt

Client Name: Campus By Blue Project # 00B7199

Courier:  FedEx  UPS  USPS  Client  Commercial  Pace  Other \_\_\_\_\_  
 Tracking #: \_\_\_\_\_ Pace Shipping Label Used?  Yes  No

Optional  
 Proj. Due Date: 10/29  
 Proj. Name: PCBS

Custody Seal on Cooler/Box Present:  Yes  No Seals intact:  Yes  No

Packing Material:  Bubble Wrap  Bubble Bags  Foam  None  Other \_\_\_\_\_  
 Thermometer Used: T-191 / T-194 Type of Ice:  Wet  Blue  None  Samples on ice, cooling process has begun

Cooler Temperature: 5.2

Temperature should be above freezing to 6°C

Comments:

Date and Initials of person examining contents: BR 10/19

Chain of Custody present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody filled out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler name & signature on COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples arrived within holding time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time analyses (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Unpreserved 5035A soils frozen w/in 48hrs?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	11.
Filtered volume received for dissolved tests	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12.
Sample labels match COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	13.
-Includes date/time/ID/analyses Matrix:	<u>SL</u>	
All containers needing preservation have been checked.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	14.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Exceptions: VOA, coliform, TOC, O&G, WI-DRO (water), Phenolics	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial when completed _____ Lot # of added preservative _____
Trip Blank present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	15.
Pace Trip Blank lot # (if purchased):		
Headspace in VOA vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	16.
Project sampled in USDA Regulated Area:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	TX List State: <u>MO</u>

Client Notification/ Resolution: Copy COC to Client?  Y  N Field Data Required?  Y /  N

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_

Project Manager Review: Signature

Date: 10-20-10

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office ( i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

November 11, 2010

Glen Schwartz  
Compass Big Blue  
8116 Wilson Road  
Kansas City, MO 64125

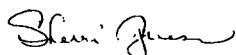
RE: Project: PCBs  
Pace Project No.: 6087699

Dear Glen Schwartz:

Enclosed are the analytical results for sample(s) received by the laboratory on October 19, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Sherri Guess

sherri.guess@pacelabs.com  
Project Manager

Enclosures

#### REPORT OF LABORATORY ANALYSIS

Page 1 of 41

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## CERTIFICATIONS

Project: PCBs  
Pace Project No.: 6087699

**Kansas Certification IDs**

9608 Loiret Boulevard, Lenexa, KS 66219  
A2LA Certification #: 2456.01  
Arkansas Certification #: 05-008-0  
Illinois Certification #: 001191  
Iowa Certification #: 118  
Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055  
Nevada Certification #: KS000212008A  
Oklahoma Certification #: 9205/9935  
Texas Certification #: T104704407-08-TX  
Utah Certification #: 9135995665

## REPORT OF LABORATORY ANALYSIS

Page 2 of 41

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## SAMPLE SUMMARY

Project: PCBs  
Pace Project No.: 6087699

Lab ID	Sample ID	Matrix	Date Collected	Date Received
6087699001	CS-112/1-1.25	Solid	10/19/10 08:05	10/19/10 16:26
6087699002	CS-113/1.1-1.35	Solid	10/19/10 08:20	10/19/10 16:26
6087699003	CS-114/1-1.25	Solid	10/19/10 08:30	10/19/10 16:26
6087699004	CS-108/1-1.25	Solid	10/19/10 08:45	10/19/10 16:26
6087699005	CS-108/3.75-4	Solid	10/19/10 08:48	10/19/10 16:26
6087699006	CS-116 / 0.5-0.75	Solid	10/19/10 09:08	10/19/10 16:26
6087699007	CS-116 / 3.75-4	Solid	10/19/10 09:10	10/19/10 16:26
6087699008	CS-109 / 1.5-1.75	Solid	10/19/10 09:25	10/19/10 16:26
6087699009	CS-109 / 2-2.25	Solid	10/19/10 09:40	10/19/10 16:26
6087699011	CS-110 / 1.5-1.75	Solid	10/19/10 09:55	10/19/10 16:26
6087699012	CS-110 / 2.75-3	Solid	10/19/10 09:58	10/19/10 16:26
6087699013	CS-104 / 1.25-1.5	Solid	10/19/10 10:10	10/19/10 16:26
6087699014	CS-104 / 0-2.25	Solid	10/19/10 10:12	10/19/10 16:26
6087699016	CS-105 / 1-1.25	Solid	10/19/10 10:23	10/19/10 16:26
6087699017	CS-105 / 1.75-2	Solid	10/19/10 10:25	10/19/10 16:26
6087699018	CS-106 / 1-1.25	Solid	10/19/10 10:40	10/19/10 16:26
087699019	CS-106 / 1.75-2	Solid	10/19/10 10:45	10/19/10 16:26
6087699020	CS-101 / 1-1.25	Solid	10/19/10 11:15	10/19/10 16:26
6087699022	CS-102 / 1-1.25	Solid	10/19/10 11:30	10/19/10 16:26
6087699024	CS-103 / 0-0.25	Solid	10/19/10 11:48	10/19/10 16:26
6087699026	CS-107 / 1-1.25	Solid	10/19/10 12:00	10/19/10 16:26
6087699028	CS-111 / 0.5-0.75	Solid	10/19/10 12:12	10/19/10 16:26
6087699030	CS-115 / 0.5-0.75	Solid	10/19/10 12:22	10/19/10 16:26
6087699032	CS-117 / 1-1.25	Solid	10/19/10 12:38	10/19/10 16:26
6087699033	CS-117 / 2-2.25	Solid	10/19/10 12:40	10/19/10 16:26
6087699035	CS-118 / 1-1.25	Solid	10/19/10 12:50	10/19/10 16:26
6087699036	CS-118 / 2-2.25	Solid	10/19/10 12:52	10/19/10 16:26
6087699038	CS-119 / 0.5-1	Solid	10/19/10 13:10	10/19/10 16:26

## REPORT OF LABORATORY ANALYSIS

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## SAMPLE ANALYTE COUNT

Project: PCBs  
 Pace Project No.: 6087699

Lab ID	Sample ID	Method	Analysts	Analytes Reported
6087699001	CS-112/1-1.25	EPA 8082	NAW	9
		ASTM D2974-87	LAW	1
6087699002	CS-113/1.1-1.35	EPA 8082	NAW	9
		ASTM D2974-87	LAW	1
6087699003	CS-114/1-1.25	EPA 8082	NAW	9
		ASTM D2974-87	LAW	1
6087699004	CS-108/1-1.25	EPA 8082	NAW	9
		ASTM D2974-87	LAW	1
6087699005	CS-108/3.75-4	EPA 8082	NAW	9
		ASTM D2974-87	BAC	1
6087699006	CS-116 / 0.5-0.75	EPA 8082	NAW	9
		ASTM D2974-87	BAC	1
6087699007	CS-116 / 3.75-4	EPA 8082	NAW	9
		ASTM D2974-87	BAC	1
6087699008	CS-109 / 1.5-1.75	EPA 8082	NAW	9
		ASTM D2974-87	LAW	1
6087699009	CS-109 / 2-2.25	EPA 8082	NAW	9
		ASTM D2974-87	BAC	1
6087699011	CS-110 / 1.5-1.75	EPA 8082	NAW	9
		ASTM D2974-87	LAW	1
6087699012	CS-110 / 2.75-3	EPA 8082	NAW	9
		ASTM D2974-87	BAC	1
6087699013	CS-104 / 1.25-1.5	EPA 8082	NAW	9
		ASTM D2974-87	LAW	1
6087699014	CS-104 / 0-2.25	EPA 8082	NAW	9
		ASTM D2974-87	BAC	1
6087699016	CS-105 / 1-1.25	EPA 8082	NAW	9
		ASTM D2974-87	LAW	1
6087699017	CS-105 / 1.75-2	EPA 8082	NAW	9
		ASTM D2974-87	BAC	1
6087699018	CS-106 / 1-1.25	EPA 8082	NAW	9
		ASTM D2974-87	LAW	1
6087699019	CS-106 / 1.75-2	EPA 8082	NAW	9
		ASTM D2974-87	BAC	1
6087699020	CS-101 / 1-1.25	EPA 8082	NAW	9
		ASTM D2974-87	LAW	1
6087699022	CS-102 / 1-1.25	EPA 8082	NAW	9

## REPORT OF LABORATORY ANALYSIS

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## SAMPLE ANALYTE COUNT

Project: PCBs  
Pace Project No.: 6087699

Lab ID	Sample ID	Method	Analysts	Analytes Reported
6087699024	CS-103 / 0-0.25	ASTM D2974-87	LAW	1
		EPA 8082	NAW	9
6087699026	CS-107 / 1-1.25	ASTM D2974-87	LAW	1
		EPA 8082	NAW	9
6087699028	CS-111 / 0.5-0.75	ASTM D2974-87	LAW	1
		EPA 8082	NAW	9
6087699030	CS-115 / 0.5-0.75	ASTM D2974-87	LAW	1
		EPA 8082	NAW	9
6087699032	CS-117 / 1-1.25	ASTM D2974-87	LAW	1
		EPA 8082	NAW	9
6087699033	CS-117 / 2-2.25	ASTM D2974-87	BAC	1
		EPA 8082	NAW	9
6087699035	CS-118 / 1-1.25	ASTM D2974-87	BAC	1
		EPA 8082	NAW	9
6087699036	CS-118 / 2-2.25	ASTM D2974-87	BAC	1
		EPA 8082	NAW	9
6087699038	CS-119 / 0.5-1	ASTM D2974-87	BAC	1
		EPA 8082	NAW	9
		ASTM D2974-87	BAC	1

## REPORT OF LABORATORY ANALYSIS

Page 5 of 41

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## ANALYTICAL RESULTS

Project: PCBs  
 Pace Project No.: 6087699

Sample: CS-112/1-1.25 Lab ID: 6087699001 Collected: 10/19/10 08:05 Received: 10/19/10 16:26 Matrix: Solid

**Results reported on a "dry-weight" basis**

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082 GCS PCB SW</b>		Analytical Method: EPA 8082 Preparation Method: EPA 3546						
PCB-1016 (Aroclor 1016)	ND ug/kg		2290	10	10/27/10 00:00	10/28/10 17:05	12674-11-2	
PCB-1221 (Aroclor 1221)	ND ug/kg		2290	10	10/27/10 00:00	10/28/10 17:05	11104-28-2	
PCB-1232 (Aroclor 1232)	ND ug/kg		2290	10	10/27/10 00:00	10/28/10 17:05	11141-16-5	
PCB-1242 (Aroclor 1242)	ND ug/kg		2290	10	10/27/10 00:00	10/28/10 17:05	53469-21-9	
PCB-1248 (Aroclor 1248)	ND ug/kg		2290	10	10/27/10 00:00	10/28/10 17:05	12672-29-6	
PCB-1254 (Aroclor 1254)	ND ug/kg		2290	10	10/27/10 00:00	10/28/10 17:05	11097-69-1	
PCB-1260 (Aroclor 1260)	27200 ug/kg		2290	10	10/27/10 00:00	10/28/10 17:05	11096-82-5	
Tetrachloro-m-xylene (S)	0 %		35-124	10	10/27/10 00:00	10/28/10 17:05	877-09-8	D4,S4
Decachlorobiphenyl (S)	0 %		15-120	10	10/27/10 00:00	10/28/10 17:05	2051-24-3	S4
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87						
Percent Moisture	20.6 %			0.50	1		10/26/10 00:00	

Date: 11/11/2010 02:28 PM

## REPORT OF LABORATORY ANALYSIS

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Page 6 of 41



## ANALYTICAL RESULTS

Project: PCBs  
Pace Project No.: 6087699

Sample: CS-113/1.1-1.35 Lab ID: 6087699002 Collected: 10/19/10 08:20 Received: 10/19/10 16:26 Matrix: Solid

**Results reported on a "dry-weight" basis**

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082 GCS PCB SW</b>		Analytical Method: EPA 8082 Preparation Method: EPA 3546						
PCB-1016 (Aroclor 1016)	ND ug/kg		242	1	10/27/10 00:00	10/28/10 17:19	12674-11-2	
PCB-1221 (Aroclor 1221)	ND ug/kg		242	1	10/27/10 00:00	10/28/10 17:19	11104-28-2	
PCB-1232 (Aroclor 1232)	ND ug/kg		242	1	10/27/10 00:00	10/28/10 17:19	11141-16-5	
PCB-1242 (Aroclor 1242)	ND ug/kg		242	1	10/27/10 00:00	10/28/10 17:19	53469-21-9	
PCB-1248 (Aroclor 1248)	ND ug/kg		242	1	10/27/10 00:00	10/28/10 17:19	12672-29-6	
PCB-1254 (Aroclor 1254)	ND ug/kg		242	1	10/27/10 00:00	10/28/10 17:19	11097-69-1	
PCB-1260 (Aroclor 1260)	841 ug/kg		242	1	10/27/10 00:00	10/28/10 17:19	11096-82-5	
Tetrachloro-m-xylene (S)	87 %		35-124	1	10/27/10 00:00	10/28/10 17:19	877-09-8	
Decachlorobiphenyl (S)	94 %		15-120	1	10/27/10 00:00	10/28/10 17:19	2051-24-3	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87							
Percent Moisture	21.1 %		0.50	1			10/26/10 00:00	

Date: 11/11/2010 02:28 PM

## REPORT OF LABORATORY ANALYSIS

Page 7 of 41

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## ANALYTICAL RESULTS

Project: PCBs  
 Pace Project No.: 6087699

Sample: CS-114/1-1.25 Lab ID: 6087699003 Collected: 10/19/10 08:30 Received: 10/19/10 16:26 Matrix: Solid

**Results reported on a "dry-weight" basis**

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082 GCS PCB SW</b>		Analytical Method: EPA 8082 Preparation Method: EPA 3546						
PCB-1016 (Aroclor 1016)	ND ug/kg		260	1	10/27/10 00:00	10/28/10 17:34	12674-11-2	
PCB-1221 (Aroclor 1221)	ND ug/kg		260	1	10/27/10 00:00	10/28/10 17:34	11104-28-2	
PCB-1232 (Aroclor 1232)	ND ug/kg		260	1	10/27/10 00:00	10/28/10 17:34	11141-16-5	
PCB-1242 (Aroclor 1242)	ND ug/kg		260	1	10/27/10 00:00	10/28/10 17:34	53469-21-9	
PCB-1248 (Aroclor 1248)	ND ug/kg		260	1	10/27/10 00:00	10/28/10 17:34	12672-29-6	
PCB-1254 (Aroclor 1254)	ND ug/kg		260	1	10/27/10 00:00	10/28/10 17:34	11097-69-1	
PCB-1260 (Aroclor 1260)	ND ug/kg		260	1	10/27/10 00:00	10/28/10 17:34	11096-82-5	
Tetrachloro-m-xylene (S)	86 %		35-124	1	10/27/10 00:00	10/28/10 17:34	877-09-8	
Decachlorobiphenyl (S)	90 %		15-120	1	10/27/10 00:00	10/28/10 17:34	2051-24-3	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87							
Percent Moisture	24.6 %		0.50	1			10/26/10 00:00	

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## REPORT OF LABORATORY ANALYSIS

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Page 8 of 41



## ANALYTICAL RESULTS

Project: PCBs  
 Pace Project No.: 6087699

Sample: CS-108/1-1.25 Lab ID: 6087699004 Collected: 10/19/10 08:45 Received: 10/19/10 16:26 Matrix: Solid

**Results reported on a "dry-weight" basis**

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082 GCS PCB SW</b>		Analytical Method: EPA 8082 Preparation Method: EPA 3546						
PCB-1016 (Aroclor 1016)	ND ug/kg		2390000 10000	10/27/10 00:00	10/29/10 11:00	12674-11-2		
PCB-1221 (Aroclor 1221)	ND ug/kg		2390000 10000	10/27/10 00:00	10/29/10 11:00	11104-28-2		
PCB-1232 (Aroclor 1232)	ND ug/kg		2390000 10000	10/27/10 00:00	10/29/10 11:00	11141-16-5		
PCB-1242 (Aroclor 1242)	ND ug/kg		2390000 10000	10/27/10 00:00	10/29/10 11:00	53469-21-9		
PCB-1248 (Aroclor 1248)	ND ug/kg		2390000 10000	10/27/10 00:00	10/29/10 11:00	12672-29-6		
PCB-1254 (Aroclor 1254)	ND ug/kg		2390000 10000	10/27/10 00:00	10/29/10 11:00	11097-69-1		
PCB-1260 (Aroclor 1260)	21300000 ug/kg		2390000 10000	10/27/10 00:00	10/29/10 11:00	11096-82-5		
Tetrachloro-m-xylene (S)	0 %		35-124 10000	10/27/10 00:00	10/29/10 11:00	877-09-8	D4,S4	
Decachlorobiphenyl (S)	0 %		15-120 10000	10/27/10 00:00	10/29/10 11:00	2051-24-3	S4	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87							
Percent Moisture	20.3 %		0.50	1		10/26/10 00:00		

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## REPORT OF LABORATORY ANALYSIS

Page 9 of 41

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## ANALYTICAL RESULTS

Project: PCBs  
Pace Project No.: 6087699

Sample: CS-108/3.75-4 Lab ID: 6087699005 Collected: 10/19/10 08:48 Received: 10/19/10 16:26 Matrix: Solid

**Results reported on a "dry-weight" basis**

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082 GCS PCB SW</b>		Analytical Method: EPA 8082 Preparation Method: EPA 3546						
PCB-1016 (Aroclor 1016)	ND ug/kg		2410000 10000	11/02/10 00:00	11/11/10 10:21	12674-11-2		
PCB-1221 (Aroclor 1221)	ND ug/kg		2410000 10000	11/02/10 00:00	11/11/10 10:21	11104-28-2		
PCB-1232 (Aroclor 1232)	ND ug/kg		2410000 10000	11/02/10 00:00	11/11/10 10:21	11141-16-5		
PCB-1242 (Aroclor 1242)	ND ug/kg		2410000 10000	11/02/10 00:00	11/11/10 10:21	53469-21-9		
PCB-1248 (Aroclor 1248)	ND ug/kg		2410000 10000	11/02/10 00:00	11/11/10 10:21	12672-29-6		
PCB-1254 (Aroclor 1254)	ND ug/kg		2410000 10000	11/02/10 00:00	11/11/10 10:21	11097-69-1		
PCB-1260 (Aroclor 1260)	12900000 ug/kg		2410000 10000	11/02/10 00:00	11/11/10 10:21	11096-82-5		
Tetrachloro-m-xylene (S)	0 %		35-124 10000	11/02/10 00:00	11/11/10 10:21	877-09-8	D4,S4	
Decachlorobiphenyl (S)	0 %		15-120 10000	11/02/10 00:00	11/11/10 10:21	2051-24-3	S4	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87							
Percent Moisture	25.4 %		0.50	1		11/01/10 00:00		

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## REPORT OF LABORATORY ANALYSIS

Page 10 of 41

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## ANALYTICAL RESULTS

Project: PCBs  
 Pace Project No.: 6087699

Sample: CS-116 / 0.5-0.75 Lab ID: 6087699006 Collected: 10/19/10 09:08 Received: 10/19/10 16:26 Matrix: Solid

**Results reported on a "dry-weight" basis**

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082 GCS PCB SW</b>		Analytical Method: EPA 8082 Preparation Method: EPA 3546						
PCB-1016 (Aroclor 1016)	ND ug/kg		2210000 10000	11/02/10 00:00	11/11/10 10:35	12674-11-2		
PCB-1221 (Aroclor 1221)	ND ug/kg		2210000 10000	11/02/10 00:00	11/11/10 10:35	11104-28-2		
PCB-1232 (Aroclor 1232)	ND ug/kg		2210000 10000	11/02/10 00:00	11/11/10 10:35	11141-16-5		
PCB-1242 (Aroclor 1242)	ND ug/kg		2210000 10000	11/02/10 00:00	11/11/10 10:35	53469-21-9		
PCB-1248 (Aroclor 1248)	ND ug/kg		2210000 10000	11/02/10 00:00	11/11/10 10:35	12672-29-6		
PCB-1254 (Aroclor 1254)	ND ug/kg		2210000 10000	11/02/10 00:00	11/11/10 10:35	11097-69-1		
PCB-1260 (Aroclor 1260)	13700000 ug/kg		2210000 10000	11/02/10 00:00	11/11/10 10:35	11096-82-5		
Tetrachloro-m-xylene (S)	0 %		35-124 10000	11/02/10 00:00	11/11/10 10:35	877-09-8	D4,S4	
Decachlorobiphenyl (S)	0 %		15-120 10000	11/02/10 00:00	11/11/10 10:35	2051-24-3	S4	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87							
Percent Moisture	14.7 %		0.50	1		11/01/10 00:00		

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## REPORT OF LABORATORY ANALYSIS

Page 11 of 41

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## ANALYTICAL RESULTS

Project: PCBs  
 Pace Project No.: 6087699

Sample: CS-116 / 3.75-4      Lab ID: 6087699007      Collected: 10/19/10 09:10      Received: 10/19/10 16:26      Matrix: Solid

**Results reported on a "dry-weight" basis**

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082 GCS PCB SW</b>		Analytical Method: EPA 8082 Preparation Method: EPA 3546						
PCB-1016 (Aroclor 1016)	ND ug/kg		23400	100	11/02/10 00:00	11/10/10 17:02	12674-11-2	
PCB-1221 (Aroclor 1221)	ND ug/kg		23400	100	11/02/10 00:00	11/10/10 17:02	11104-28-2	
PCB-1232 (Aroclor 1232)	ND ug/kg		23400	100	11/02/10 00:00	11/10/10 17:02	11141-16-5	
PCB-1242 (Aroclor 1242)	ND ug/kg		23400	100	11/02/10 00:00	11/10/10 17:02	53469-21-9	
PCB-1248 (Aroclor 1248)	ND ug/kg		23400	100	11/02/10 00:00	11/10/10 17:02	12672-29-6	
PCB-1254 (Aroclor 1254)	ND ug/kg		23400	100	11/02/10 00:00	11/10/10 17:02	11097-69-1	
PCB-1260 (Aroclor 1260)	441000 ug/kg		23400	100	11/02/10 00:00	11/10/10 17:02	11096-82-5	
Tetrachloro-m-xylene (S)	0 %		35-124	100	11/02/10 00:00	11/10/10 17:02	877-09-8	D4,S4
Decachlorobiphenyl (S)	0 %		15-120	100	11/02/10 00:00	11/10/10 17:02	2051-24-3	S4
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87							
Percent Moisture	22.5 %		0.50	1			11/01/10 00:00	

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## REPORT OF LABORATORY ANALYSIS

Page 12 of 41

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## ANALYTICAL RESULTS

Project: PCBs  
Pace Project No.: 6087699

Sample: CS-109 / 1.5-1.75 Lab ID: 6087699008 Collected: 10/19/10 09:25 Received: 10/19/10 16:26 Matrix: Solid

**Results reported on a "dry-weight" basis**

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082 GCS PCB SW</b>	Analytical Method: EPA 8082 Preparation Method: EPA 3546							
PCB-1016 (Aroclor 1016)	ND ug/kg		1290	5	10/27/10 00:00	10/29/10 11:28	12674-11-2	
PCB-1221 (Aroclor 1221)	ND ug/kg		1290	5	10/27/10 00:00	10/29/10 11:28	11104-28-2	
PCB-1232 (Aroclor 1232)	ND ug/kg		1290	5	10/27/10 00:00	10/29/10 11:28	11141-16-5	
PCB-1242 (Aroclor 1242)	ND ug/kg		1290	5	10/27/10 00:00	10/29/10 11:28	53469-21-9	
PCB-1248 (Aroclor 1248)	ND ug/kg		1290	5	10/27/10 00:00	10/29/10 11:28	12672-29-6	
PCB-1254 (Aroclor 1254)	ND ug/kg		1290	5	10/27/10 00:00	10/29/10 11:28	11097-69-1	
PCB-1260 (Aroclor 1260)	<b>8640</b> ug/kg		1290	5	10/27/10 00:00	10/29/10 11:28	11096-82-5	
Tetrachloro-m-xylene (S)	90 %		35-124	5	10/27/10 00:00	10/29/10 11:28	877-09-8	
Decachlorobiphenyl (S)	101 %		15-120	5	10/27/10 00:00	10/29/10 11:28	2051-24-3	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87							
Percent Moisture	<b>24.7</b> %			0.50	1			10/26/10 00:00

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## REPORT OF LABORATORY ANALYSIS

Page 13 of 41

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## ANALYTICAL RESULTS

Project: PCBs  
Pace Project No.: 6087699

Sample: CS-109 / 2-2.25 Lab ID: 6087699009 Collected: 10/19/10 09:40 Received: 10/19/10 16:26 Matrix: Solid

**Results reported on a "dry-weight" basis**

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082 GCS PCB SW</b>	Analytical Method: EPA 8082 Preparation Method: EPA 3546							
PCB-1016 (Aroclor 1016)	ND ug/kg		246	1	11/02/10 00:00	11/10/10 12:31	12674-11-2	
PCB-1221 (Aroclor 1221)	ND ug/kg		246	1	11/02/10 00:00	11/10/10 12:31	11104-28-2	
PCB-1232 (Aroclor 1232)	ND ug/kg		246	1	11/02/10 00:00	11/10/10 12:31	11141-16-5	
PCB-1242 (Aroclor 1242)	ND ug/kg		246	1	11/02/10 00:00	11/10/10 12:31	53469-21-9	
PCB-1248 (Aroclor 1248)	ND ug/kg		246	1	11/02/10 00:00	11/10/10 12:31	12672-29-6	
PCB-1254 (Aroclor 1254)	ND ug/kg		246	1	11/02/10 00:00	11/10/10 12:31	11097-69-1	
PCB-1260 (Aroclor 1260)	653 ug/kg		246	1	11/02/10 00:00	11/10/10 12:31	11096-82-5	
Tetrachloro-m-xylene (S)	75 %		35-124	1	11/02/10 00:00	11/10/10 12:31	877-09-8	
Decachlorobiphenyl (S)	81 %		15-120	1	11/02/10 00:00	11/10/10 12:31	2051-24-3	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87							
Percent Moisture	25.0 %		0.50	1			11/01/10 00:00	

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## REPORT OF LABORATORY ANALYSIS

Page 14 of 41

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## ANALYTICAL RESULTS

Project: PCBs  
 Pace Project No.: 6087699

Sample: CS-110 / 1.5-1.75 Lab ID: 6087699011 Collected: 10/19/10 09:55 Received: 10/19/10 16:26 Matrix: Solid

**Results reported on a "dry-weight" basis**

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082 GCS PCB SW</b>	Analytical Method: EPA 8082 Preparation Method: EPA 3546							
PCB-1016 (Aroclor 1016)	ND ug/kg		247	1	10/27/10 00:00	10/29/10 11:42	12674-11-2	
PCB-1221 (Aroclor 1221)	ND ug/kg		247	1	10/27/10 00:00	10/29/10 11:42	11104-28-2	
PCB-1232 (Aroclor 1232)	ND ug/kg		247	1	10/27/10 00:00	10/29/10 11:42	11141-16-5	
PCB-1242 (Aroclor 1242)	ND ug/kg		247	1	10/27/10 00:00	10/29/10 11:42	53469-21-9	
PCB-1248 (Aroclor 1248)	ND ug/kg		247	1	10/27/10 00:00	10/29/10 11:42	12672-29-6	
PCB-1254 (Aroclor 1254)	ND ug/kg		247	1	10/27/10 00:00	10/29/10 11:42	11097-69-1	
PCB-1260 (Aroclor 1260)	1170 ug/kg		247	1	10/27/10 00:00	10/29/10 11:42	11096-82-5	
Tetrachloro-m-xylene (S)	83 %		35-124	1	10/27/10 00:00	10/29/10 11:42	877-09-8	
Decachlorobiphenyl (S)	87 %		15-120	1	10/27/10 00:00	10/29/10 11:42	2051-24-3	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87							
Percent Moisture	24.9 %		0.50	1			10/26/10 00:00	

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## REPORT OF LABORATORY ANALYSIS

Page 15 of 41

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## ANALYTICAL RESULTS

Project: PCBs  
Pace Project No.: 6087699

Sample: CS-110 / 2.75-3      Lab ID: 6087699012      Collected: 10/19/10 09:58      Received: 10/19/10 16:26      Matrix: Solid

**Results reported on a "dry-weight" basis**

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082 GCS PCB SW</b>		Analytical Method: EPA 8082 Preparation Method: EPA 3546						
PCB-1016 (Aroclor 1016)	ND ug/kg		239	1	11/02/10 00:00	11/10/10 12:46	12674-11-2	
PCB-1221 (Aroclor 1221)	ND ug/kg		239	1	11/02/10 00:00	11/10/10 12:46	11104-28-2	
PCB-1232 (Aroclor 1232)	ND ug/kg		239	1	11/02/10 00:00	11/10/10 12:46	11141-16-5	
PCB-1242 (Aroclor 1242)	ND ug/kg		239	1	11/02/10 00:00	11/10/10 12:46	53469-21-9	
PCB-1248 (Aroclor 1248)	ND ug/kg		239	1	11/02/10 00:00	11/10/10 12:46	12672-29-6	
PCB-1254 (Aroclor 1254)	ND ug/kg		239	1	11/02/10 00:00	11/10/10 12:46	11097-69-1	
PCB-1260 (Aroclor 1260)	ND ug/kg		239	1	11/02/10 00:00	11/10/10 12:46	11096-82-5	
Tetrachloro-m-xylene (S)	82 %		35-124	1	11/02/10 00:00	11/10/10 12:46	877-09-8	
Decachlorobiphenyl (S)	88 %		15-120	1	11/02/10 00:00	11/10/10 12:46	2051-24-3	
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87						
Percent Moisture	21.5 %		0.50	1			11/01/10 00:00	

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## REPORT OF LABORATORY ANALYSIS

Page 16 of 41

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## ANALYTICAL RESULTS

Project: PCBs  
 Pace Project No.: 6087699

Sample: CS-104 / 1.25-1.5 Lab ID: 6087699013 Collected: 10/19/10 10:10 Received: 10/19/10 16:26 Matrix: Solid

**Results reported on a "dry-weight" basis**

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082 GCS PCB SW</b>		Analytical Method: EPA 8082 Preparation Method: EPA 3546						
PCB-1016 (Aroclor 1016)	ND ug/kg		1270	5	10/27/10 00:00	10/29/10 11:56	12674-11-2	
PCB-1221 (Aroclor 1221)	ND ug/kg		1270	5	10/27/10 00:00	10/29/10 11:56	11104-28-2	
PCB-1232 (Aroclor 1232)	ND ug/kg		1270	5	10/27/10 00:00	10/29/10 11:56	11141-16-5	
PCB-1242 (Aroclor 1242)	ND ug/kg		1270	5	10/27/10 00:00	10/29/10 11:56	53469-21-9	
PCB-1248 (Aroclor 1248)	ND ug/kg		1270	5	10/27/10 00:00	10/29/10 11:56	12672-29-6	
PCB-1254 (Aroclor 1254)	ND ug/kg		1270	5	10/27/10 00:00	10/29/10 11:56	11097-69-1	
PCB-1260 (Aroclor 1260)	8930 ug/kg		1270	5	10/27/10 00:00	10/29/10 11:56	11096-82-5	
Tetrachloro-m-xylene (S)	89 %		35-124	5	10/27/10 00:00	10/29/10 11:56	877-09-8	
Decachlorobiphenyl (S)	98 %		15-120	5	10/27/10 00:00	10/29/10 11:56	2051-24-3	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87							
Percent Moisture	22.3 %			0.50	1		10/26/10 00:00	

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## REPORT OF LABORATORY ANALYSIS

Page 17 of 41

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## ANALYTICAL RESULTS

Project: PCBs  
Pace Project No.: 6087699

Sample: CS-104 / 0-2.25 Lab ID: 6087699014 Collected: 10/19/10 10:12 Received: 10/19/10 16:26 Matrix: Solid

**Results reported on a "dry-weight" basis**

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082 GCS PCB SW</b>	Analytical Method: EPA 8082 Preparation Method: EPA 3546							
PCB-1016 (Aroclor 1016)	ND ug/kg		241	1	11/02/10 00:00	11/10/10 13:00	12674-11-2	
PCB-1221 (Aroclor 1221)	ND ug/kg		241	1	11/02/10 00:00	11/10/10 13:00	11104-28-2	
PCB-1232 (Aroclor 1232)	ND ug/kg		241	1	11/02/10 00:00	11/10/10 13:00	11141-16-5	
PCB-1242 (Aroclor 1242)	ND ug/kg		241	1	11/02/10 00:00	11/10/10 13:00	53469-21-9	
PCB-1248 (Aroclor 1248)	ND ug/kg		241	1	11/02/10 00:00	11/10/10 13:00	12672-29-6	
PCB-1254 (Aroclor 1254)	ND ug/kg		241	1	11/02/10 00:00	11/10/10 13:00	11097-69-1	
PCB-1260 (Aroclor 1260)	3310 ug/kg		241	1	11/02/10 00:00	11/10/10 13:00	11096-82-5	
Tetrachloro-m-xylene (S)	81 %		35-124	1	11/02/10 00:00	11/10/10 13:00	877-09-8	
Decachlorobiphenyl (S)	88 %		15-120	1	11/02/10 00:00	11/10/10 13:00	2051-24-3	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87							
Percent Moisture	24.9 %		0.50	1			11/01/10 00:00	

Date: 11/11/2010 02:28 PM

## REPORT OF LABORATORY ANALYSIS

Page 18 of 41

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## ANALYTICAL RESULTS

Project: PCBs  
 Pace Project No.: 6087699

Sample: CS-105 / 1-1.25 Lab ID: 6087699016 Collected: 10/19/10 10:23 Received: 10/19/10 16:26 Matrix: Solid

**Results reported on a "dry-weight" basis**

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082 GCS PCB SW</b>	Analytical Method: EPA 8082 Preparation Method: EPA 3546							
PCB-1016 (Aroclor 1016)	ND ug/kg		11900	50	10/27/10 00:00	10/29/10 12:10	12674-11-2	
PCB-1221 (Aroclor 1221)	ND ug/kg		11900	50	10/27/10 00:00	10/29/10 12:10	11104-28-2	
PCB-1232 (Aroclor 1232)	ND ug/kg		11900	50	10/27/10 00:00	10/29/10 12:10	11141-16-5	
PCB-1242 (Aroclor 1242)	ND ug/kg		11900	50	10/27/10 00:00	10/29/10 12:10	53469-21-9	
PCB-1248 (Aroclor 1248)	ND ug/kg		11900	50	10/27/10 00:00	10/29/10 12:10	12672-29-6	
PCB-1254 (Aroclor 1254)	ND ug/kg		11900	50	10/27/10 00:00	10/29/10 12:10	11097-69-1	
PCB-1260 (Aroclor 1260)	90800 ug/kg		11900	50	10/27/10 00:00	10/29/10 12:10	11096-82-5	
Tetrachloro-m-xylene (S)	0 %		35-124	50	10/27/10 00:00	10/29/10 12:10	877-09-8	D4,S4
Decachlorobiphenyl (S)	0 %		15-120	50	10/27/10 00:00	10/29/10 12:10	2051-24-3	S4
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87							
Percent Moisture	23.5 %		0.50	1			10/26/10 00:00	

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## REPORT OF LABORATORY ANALYSIS

Page 19 of 41

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## ANALYTICAL RESULTS

Project: PCBs  
Pace Project No.: 6087699

Sample: CS-105 / 1.75-2      Lab ID: 6087699017      Collected: 10/19/10 10:25      Received: 10/19/10 16:26      Matrix: Solid

**Results reported on a "dry-weight" basis**

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082 GCS PCB SW</b>	Analytical Method: EPA 8082 Preparation Method: EPA 3546							
PCB-1016 (Aroclor 1016)	ND ug/kg		2480	10	11/02/10 00:00	11/10/10 17:44	12674-11-2	
PCB-1221 (Aroclor 1221)	ND ug/kg		2480	10	11/02/10 00:00	11/10/10 17:44	11104-28-2	
PCB-1232 (Aroclor 1232)	ND ug/kg		2480	10	11/02/10 00:00	11/10/10 17:44	11141-16-5	
PCB-1242 (Aroclor 1242)	ND ug/kg		2480	10	11/02/10 00:00	11/10/10 17:44	53469-21-9	
PCB-1248 (Aroclor 1248)	ND ug/kg		2480	10	11/02/10 00:00	11/10/10 17:44	12672-29-6	
PCB-1254 (Aroclor 1254)	ND ug/kg		2480	10	11/02/10 00:00	11/10/10 17:44	11097-69-1	
PCB-1260 (Aroclor 1260)	28300 ug/kg		2480	10	11/02/10 00:00	11/10/10 17:44	11096-82-5	
Tetrachloro-m-xylene (S)	0 %		35-124	10	11/02/10 00:00	11/10/10 17:44	877-09-8	D4,S4
Decachlorobiphenyl (S)	0 %		15-120	10	11/02/10 00:00	11/10/10 17:44	2051-24-3	S4
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87							
Percent Moisture	21.3 %		0.50	1			11/01/10 00:00	

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## REPORT OF LABORATORY ANALYSIS

Page 20 of 41

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## ANALYTICAL RESULTS

Project: PCBs  
Pace Project No.: 6087699

Sample: CS-106 / 1-1.25 Lab ID: 6087699018 Collected: 10/19/10 10:40 Received: 10/19/10 16:26 Matrix: Solid

**Results reported on a "dry-weight" basis**

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082 GCS PCB SW</b>		Analytical Method: EPA 8082 Preparation Method: EPA 3546						
PCB-1016 (Aroclor 1016)	ND ug/kg		249	1	10/27/10 00:00	10/29/10 12:24	12674-11-2	
PCB-1221 (Aroclor 1221)	ND ug/kg		249	1	10/27/10 00:00	10/29/10 12:24	11104-28-2	
PCB-1232 (Aroclor 1232)	ND ug/kg		249	1	10/27/10 00:00	10/29/10 12:24	11141-16-5	
PCB-1242 (Aroclor 1242)	ND ug/kg		249	1	10/27/10 00:00	10/29/10 12:24	53469-21-9	
PCB-1248 (Aroclor 1248)	ND ug/kg		249	1	10/27/10 00:00	10/29/10 12:24	12672-29-6	
PCB-1254 (Aroclor 1254)	ND ug/kg		249	1	10/27/10 00:00	10/29/10 12:24	11097-69-1	
PCB-1260 (Aroclor 1260)	321 ug/kg		249	1	10/27/10 00:00	10/29/10 12:24	11096-82-5	
Tetrachloro-m-xylene (S)	91 %		35-124	1	10/27/10 00:00	10/29/10 12:24	877-09-8	
Decachlorobiphenyl (S)	97 %		15-120	1	10/27/10 00:00	10/29/10 12:24	2051-24-3	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87							
Percent Moisture	24.6 %		0.50	1			10/26/10 00:00	

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## REPORT OF LABORATORY ANALYSIS

Page 21 of 41

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## ANALYTICAL RESULTS

Project: PCBs  
 Pace Project No.: 6087699

Sample: CS-106 / 1.75-2 Lab ID: 6087699019 Collected: 10/19/10 10:45 Received: 10/19/10 16:26 Matrix: Solid

**Results reported on a "dry-weight" basis**

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082 GCS PCB SW</b>	Analytical Method: EPA 8082 Preparation Method: EPA 3546							
PCB-1016 (Aroclor 1016)	ND ug/kg		233	1	11/02/10 00:00	11/10/10 13:28	12674-11-2	
PCB-1221 (Aroclor 1221)	ND ug/kg		233	1	11/02/10 00:00	11/10/10 13:28	11104-28-2	
PCB-1232 (Aroclor 1232)	ND ug/kg		233	1	11/02/10 00:00	11/10/10 13:28	11141-16-5	
PCB-1242 (Aroclor 1242)	ND ug/kg		233	1	11/02/10 00:00	11/10/10 13:28	53469-21-9	
PCB-1248 (Aroclor 1248)	ND ug/kg		233	1	11/02/10 00:00	11/10/10 13:28	12672-29-6	
PCB-1254 (Aroclor 1254)	ND ug/kg		233	1	11/02/10 00:00	11/10/10 13:28	11097-69-1	
PCB-1260 (Aroclor 1260)	3020 ug/kg		233	1	11/02/10 00:00	11/10/10 13:28	11096-82-5	
Tetrachloro-m-xylene (S)	81 %		35-124	1	11/02/10 00:00	11/10/10 13:28	877-09-8	
Decachlorobiphenyl (S)	90 %		15-120	1	11/02/10 00:00	11/10/10 13:28	2051-24-3	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87							
Percent Moisture	22.6 %			0.50	1		11/01/10 00:00	

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## REPORT OF LABORATORY ANALYSIS

Page 22 of 41

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## ANALYTICAL RESULTS

Project: PCBs  
 Pace Project No.: 6087699

Sample: CS-101 / 1-1.25 Lab ID: 6087699020 Collected: 10/19/10 11:15 Received: 10/19/10 16:26 Matrix: Solid

**Results reported on a "dry-weight" basis**

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082 GCS PCB SW</b>	Analytical Method: EPA 8082 Preparation Method: EPA 3546							
PCB-1016 (Aroclor 1016)	ND ug/kg		244	1	10/27/10 00:00	10/29/10 08:24	12674-11-2	
PCB-1221 (Aroclor 1221)	ND ug/kg		244	1	10/27/10 00:00	10/29/10 08:24	11104-28-2	
PCB-1232 (Aroclor 1232)	ND ug/kg		244	1	10/27/10 00:00	10/29/10 08:24	11141-16-5	
PCB-1242 (Aroclor 1242)	ND ug/kg		244	1	10/27/10 00:00	10/29/10 08:24	53469-21-9	
PCB-1248 (Aroclor 1248)	ND ug/kg		244	1	10/27/10 00:00	10/29/10 08:24	12672-29-6	
PCB-1254 (Aroclor 1254)	ND ug/kg		244	1	10/27/10 00:00	10/29/10 08:24	11097-69-1	
PCB-1260 (Aroclor 1260)	<b>882</b> ug/kg		244	1	10/27/10 00:00	10/29/10 08:24	11096-82-5	
Tetrachloro-m-xylene (S)	85 %		35-124	1	10/27/10 00:00	10/29/10 08:24	877-09-8	
Decachlorobiphenyl (S)	83 %		15-120	1	10/27/10 00:00	10/29/10 08:24	2051-24-3	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87							
Percent Moisture	21.3 %		0.50	1			10/26/10 00:00	

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## REPORT OF LABORATORY ANALYSIS

Page 23 of 41

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## ANALYTICAL RESULTS

Project: PCBs  
 Pace Project No.: 6087699

Sample: CS-102 / 1-1.25 Lab ID: 6087699022 Collected: 10/19/10 11:30 Received: 10/19/10 16:26 Matrix: Solid

**Results reported on a "dry-weight" basis**

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082 GCS PCB SW</b>	Analytical Method: EPA 8082 Preparation Method: EPA 3546							
PCB-1016 (Aroclor 1016)	ND ug/kg		256	1	10/27/10 00:00	10/29/10 08:39	12674-11-2	
PCB-1221 (Aroclor 1221)	ND ug/kg		256	1	10/27/10 00:00	10/29/10 08:39	11104-28-2	
PCB-1232 (Aroclor 1232)	ND ug/kg		256	1	10/27/10 00:00	10/29/10 08:39	11141-16-5	
PCB-1242 (Aroclor 1242)	ND ug/kg		256	1	10/27/10 00:00	10/29/10 08:39	53469-21-9	
PCB-1248 (Aroclor 1248)	ND ug/kg		256	1	10/27/10 00:00	10/29/10 08:39	12672-29-6	
PCB-1254 (Aroclor 1254)	ND ug/kg		256	1	10/27/10 00:00	10/29/10 08:39	11097-69-1	
PCB-1260 (Aroclor 1260)	1740 ug/kg		256	1	10/27/10 00:00	10/29/10 08:39	11096-82-5	
Tetrachloro-m-xylene (S)	88 %		35-124	1	10/27/10 00:00	10/29/10 08:39	877-09-8	
Decachlorobiphenyl (S)	87 %		15-120	1	10/27/10 00:00	10/29/10 08:39	2051-24-3	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87							
Percent Moisture	23.3 %		0.50	1			10/26/10 00:00	

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## REPORT OF LABORATORY ANALYSIS

Page 24 of 41

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## ANALYTICAL RESULTS

Project: PCBs  
Pace Project No.: 6087699

Sample: CS-103 / 0-0.25 Lab ID: 6087699024 Collected: 10/19/10 11:48 Received: 10/19/10 16:26 Matrix: Solid

**Results reported on a "dry-weight" basis**

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082 GCS PCB SW</b>	Analytical Method: EPA 8082 Preparation Method: EPA 3546							
PCB-1016 (Aroclor 1016)	ND ug/kg		254	1	10/27/10 00:00	10/29/10 08:53	12674-11-2	
PCB-1221 (Aroclor 1221)	ND ug/kg		254	1	10/27/10 00:00	10/29/10 08:53	11104-28-2	
PCB-1232 (Aroclor 1232)	ND ug/kg		254	1	10/27/10 00:00	10/29/10 08:53	11141-16-5	
PCB-1242 (Aroclor 1242)	ND ug/kg		254	1	10/27/10 00:00	10/29/10 08:53	53469-21-9	
PCB-1248 (Aroclor 1248)	ND ug/kg		254	1	10/27/10 00:00	10/29/10 08:53	12672-29-6	
PCB-1254 (Aroclor 1254)	ND ug/kg		254	1	10/27/10 00:00	10/29/10 08:53	11097-69-1	
PCB-1260 (Aroclor 1260)	738 ug/kg		254	1	10/27/10 00:00	10/29/10 08:53	11096-82-5	
Tetrachloro-m-xylene (S)	90 %		35-124	1	10/27/10 00:00	10/29/10 08:53	877-09-8	
Decachlorobiphenyl (S)	90 %		15-120	1	10/27/10 00:00	10/29/10 08:53	2051-24-3	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87							
Percent Moisture	<b>23.0 %</b>		0.50	1			10/26/10 00:00	

Date: 11/11/2010 02:28 PM

### REPORT OF LABORATORY ANALYSIS

Page 25 of 41

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## ANALYTICAL RESULTS

Project: PCBs  
Pace Project No.: 6087699

Sample: CS-107 / 1-1.25 Lab ID: 6087699026 Collected: 10/19/10 12:00 Received: 10/19/10 16:26 Matrix: Solid

**Results reported on a "dry-weight" basis**

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082 GCS PCB SW</b>		Analytical Method: EPA 8082 Preparation Method: EPA 3546						
PCB-1016 (Aroclor 1016)	ND ug/kg		259	1	10/27/10 00:00	10/29/10 09:07	12674-11-2	
PCB-1221 (Aroclor 1221)	ND ug/kg		259	1	10/27/10 00:00	10/29/10 09:07	11104-28-2	
PCB-1232 (Aroclor 1232)	ND ug/kg		259	1	10/27/10 00:00	10/29/10 09:07	11141-16-5	
PCB-1242 (Aroclor 1242)	ND ug/kg		259	1	10/27/10 00:00	10/29/10 09:07	53469-21-9	
PCB-1248 (Aroclor 1248)	ND ug/kg		259	1	10/27/10 00:00	10/29/10 09:07	12672-29-6	
PCB-1254 (Aroclor 1254)	ND ug/kg		259	1	10/27/10 00:00	10/29/10 09:07	11097-69-1	
PCB-1260 (Aroclor 1260)	411 ug/kg		259	1	10/27/10 00:00	10/29/10 09:07	11096-82-5	
Tetrachloro-m-xylene (S)	88 %		35-124	1	10/27/10 00:00	10/29/10 09:07	877-09-8	
Decachlorobiphenyl (S)	89 %		15-120	1	10/27/10 00:00	10/29/10 09:07	2051-24-3	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87							
Percent Moisture	<b>25.7 %</b>		0.50	1			10/26/10 00:00	

Date: 11/11/2010 02:28 PM

## REPORT OF LABORATORY ANALYSIS

Page 26 of 41

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## ANALYTICAL RESULTS

Project: PCBs  
Pace Project No.: 6087699

Sample: CS-111 / 0.5-0.75 Lab ID: 6087699028 Collected: 10/19/10 12:12 Received: 10/19/10 16:26 Matrix: Solid

**Results reported on a "dry-weight" basis**

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082 GCS PCB SW</b>		Analytical Method: EPA 8082 Preparation Method: EPA 3546						
PCB-1016 (Aroclor 1016)	ND ug/kg		256	1	10/27/10 00:00	10/29/10 09:21	12674-11-2	
PCB-1221 (Aroclor 1221)	ND ug/kg		256	1	10/27/10 00:00	10/29/10 09:21	11104-28-2	
PCB-1232 (Aroclor 1232)	ND ug/kg		256	1	10/27/10 00:00	10/29/10 09:21	11141-16-5	
PCB-1242 (Aroclor 1242)	ND ug/kg		256	1	10/27/10 00:00	10/29/10 09:21	53469-21-9	
PCB-1248 (Aroclor 1248)	ND ug/kg		256	1	10/27/10 00:00	10/29/10 09:21	12672-29-6	
PCB-1254 (Aroclor 1254)	ND ug/kg		256	1	10/27/10 00:00	10/29/10 09:21	11097-69-1	
PCB-1260 (Aroclor 1260)	806 ug/kg		256	1	10/27/10 00:00	10/29/10 09:21	11096-82-5	
Tetrachloro-m-xylene (S)	89 %		35-124	1	10/27/10 00:00	10/29/10 09:21	877-09-8	
Decachlorobiphenyl (S)	90 %		15-120	1	10/27/10 00:00	10/29/10 09:21	2051-24-3	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87							
Percent Moisture	25.5 %		0.50	1			10/26/10 00:00	

Date: 11/11/2010 02:28 PM

## REPORT OF LABORATORY ANALYSIS

Page 27 of 41

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## ANALYTICAL RESULTS

Project: PCBs  
 Pace Project No.: 6087699

Sample: CS-115 / 0.5-0.75 Lab ID: 6087699030 Collected: 10/19/10 12:22 Received: 10/19/10 16:26 Matrix: Solid

**Results reported on a "dry-weight" basis**

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082 GCS PCB SW</b>		Analytical Method: EPA 8082 Preparation Method: EPA 3546						
PCB-1016 (Aroclor 1016)	ND ug/kg		231	1	10/27/10 00:00	10/29/10 09:35	12674-11-2	
PCB-1221 (Aroclor 1221)	ND ug/kg		231	1	10/27/10 00:00	10/29/10 09:35	11104-28-2	
PCB-1232 (Aroclor 1232)	ND ug/kg		231	1	10/27/10 00:00	10/29/10 09:35	11141-16-5	
PCB-1242 (Aroclor 1242)	ND ug/kg		231	1	10/27/10 00:00	10/29/10 09:35	53469-21-9	
PCB-1248 (Aroclor 1248)	ND ug/kg		231	1	10/27/10 00:00	10/29/10 09:35	12672-29-6	
PCB-1254 (Aroclor 1254)	ND ug/kg		231	1	10/27/10 00:00	10/29/10 09:35	11097-69-1	
PCB-1260 (Aroclor 1260)	ND ug/kg		231	1	10/27/10 00:00	10/29/10 09:35	11096-82-5	
Tetrachloro-m-xylene (S)	87 %		35-124	1	10/27/10 00:00	10/29/10 09:35	877-09-8	
Decachlorobiphenyl (S)	89 %		15-120	1	10/27/10 00:00	10/29/10 09:35	2051-24-3	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87							
Percent Moisture	21.8 %		0.50	1		10/27/10 00:00		

Date: 11/11/2010 02:28 PM

## REPORT OF LABORATORY ANALYSIS

Page 28 of 41

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## ANALYTICAL RESULTS

Project: PCBs  
Pace Project No.: 6087699

Sample: CS-117 / 1-1.25 Lab ID: 6087699032 Collected: 10/19/10 12:38 Received: 10/19/10 16:26 Matrix: Solid

**Results reported on a "dry-weight" basis**

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082 GCS PCB SW</b>		Analytical Method: EPA 8082 Preparation Method: EPA 3546						
PCB-1016 (Aroclor 1016)	ND ug/kg		24100	100	11/02/10 00:00	11/10/10 18:13	12674-11-2	
PCB-1221 (Aroclor 1221)	ND ug/kg		24100	100	11/02/10 00:00	11/10/10 18:13	11104-28-2	
PCB-1232 (Aroclor 1232)	ND ug/kg		24100	100	11/02/10 00:00	11/10/10 18:13	11141-16-5	
PCB-1242 (Aroclor 1242)	ND ug/kg		24100	100	11/02/10 00:00	11/10/10 18:13	53469-21-9	
PCB-1248 (Aroclor 1248)	ND ug/kg		24100	100	11/02/10 00:00	11/10/10 18:13	12672-29-6	
PCB-1254 (Aroclor 1254)	ND ug/kg		24100	100	11/02/10 00:00	11/10/10 18:13	11097-69-1	
PCB-1260 (Aroclor 1260)	150000 ug/kg		24100	100	11/02/10 00:00	11/10/10 18:13	11096-82-5	
Tetrachloro-m-xylene (S)	0 %		35-124	100	11/02/10 00:00	11/10/10 18:13	877-09-8	D4,S4
Decachlorobiphenyl (S)	0 %		15-120	100	11/02/10 00:00	11/10/10 18:13	2051-24-3	S4
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87						
Percent Moisture	21.7 %		0.50	1			11/01/10 00:00	

Date: 11/11/2010 02:28 PM

### REPORT OF LABORATORY ANALYSIS

Page 29 of 41

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## ANALYTICAL RESULTS

Project: PCBs  
Pace Project No.: 6087699

Sample: CS-117 / 2-2.25 Lab ID: 6087699033 Collected: 10/19/10 12:40 Received: 10/19/10 16:26 Matrix: Solid

**Results reported on a "dry-weight" basis**

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082 GCS PCB SW</b>		Analytical Method: EPA 8082 Preparation Method: EPA 3546						
PCB-1016 (Aroclor 1016)	ND ug/kg		2430	10	11/02/10 00:00	11/10/10 18:27	12674-11-2	
PCB-1221 (Aroclor 1221)	ND ug/kg		2430	10	11/02/10 00:00	11/10/10 18:27	11104-28-2	
PCB-1232 (Aroclor 1232)	ND ug/kg		2430	10	11/02/10 00:00	11/10/10 18:27	11141-16-5	
PCB-1242 (Aroclor 1242)	ND ug/kg		2430	10	11/02/10 00:00	11/10/10 18:27	53469-21-9	
PCB-1248 (Aroclor 1248)	ND ug/kg		2430	10	11/02/10 00:00	11/10/10 18:27	12672-29-6	
PCB-1254 (Aroclor 1254)	ND ug/kg		2430	10	11/02/10 00:00	11/10/10 18:27	11097-69-1	
PCB-1260 (Aroclor 1260)	40600 ug/kg		2430	10	11/02/10 00:00	11/10/10 18:27	11096-82-5	
Tetrachloro-m-xylene (S)	0 %		35-124	10	11/02/10 00:00	11/10/10 18:27	877-09-8	D4,S4
Decachlorobiphenyl (S)	0 %		15-120	10	11/02/10 00:00	11/10/10 18:27	2051-24-3	S4
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	23.5 %			0.50	1		11/01/10 00:00	

Date: 11/11/2010 02:28 PM

## REPORT OF LABORATORY ANALYSIS

Page 30 of 41

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## ANALYTICAL RESULTS

Project: PCBs  
 Pace Project No.: 6087699

Sample: CS-118 / 1-1.25 Lab ID: 6087699035 Collected: 10/19/10 12:50 Received: 10/19/10 16:26 Matrix: Solid

**Results reported on a "dry-weight" basis**

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082 GCS PCB SW</b>	Analytical Method: EPA 8082 Preparation Method: EPA 3546							
PCB-1016 (Aroclor 1016)	ND ug/kg		241	1	11/02/10 00:00	11/10/10 14:10	12674-11-2	
PCB-1221 (Aroclor 1221)	ND ug/kg		241	1	11/02/10 00:00	11/10/10 14:10	11104-28-2	
PCB-1232 (Aroclor 1232)	ND ug/kg		241	1	11/02/10 00:00	11/10/10 14:10	11141-16-5	
PCB-1242 (Aroclor 1242)	ND ug/kg		241	1	11/02/10 00:00	11/10/10 14:10	53469-21-9	
PCB-1248 (Aroclor 1248)	ND ug/kg		241	1	11/02/10 00:00	11/10/10 14:10	12672-29-6	
PCB-1254 (Aroclor 1254)	ND ug/kg		241	1	11/02/10 00:00	11/10/10 14:10	11097-69-1	
PCB-1260 (Aroclor 1260)	426 ug/kg		241	1	11/02/10 00:00	11/10/10 14:10	11096-82-5	
Tetrachloro-m-xylene (S)	77 %		35-124	1	11/02/10 00:00	11/10/10 14:10	877-09-8	
Decachlorobiphenyl (S)	86 %		15-120	1	11/02/10 00:00	11/10/10 14:10	2051-24-3	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87							
Percent Moisture	19.0 %		0.50	1			11/01/10 00:00	

Date: 11/11/2010 02:28 PM

## REPORT OF LABORATORY ANALYSIS

Page 31 of 41

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## ANALYTICAL RESULTS

Project: PCBs  
 Pace Project No.: 6087699

Sample: CS-118 / 2-2.25 Lab ID: 6087699036 Collected: 10/19/10 12:52 Received: 10/19/10 16:26 Matrix: Solid

**Results reported on a "dry-weight" basis**

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082 GCS PCB SW</b>	Analytical Method: EPA 8082 Preparation Method: EPA 3546							
PCB-1016 (Aroclor 1016)	ND ug/kg		2560	10	11/02/10 00:00	11/10/10 18:55	12674-11-2	
PCB-1221 (Aroclor 1221)	ND ug/kg		2560	10	11/02/10 00:00	11/10/10 18:55	11104-28-2	
PCB-1232 (Aroclor 1232)	ND ug/kg		2560	10	11/02/10 00:00	11/10/10 18:55	11141-16-5	
PCB-1242 (Aroclor 1242)	ND ug/kg		2560	10	11/02/10 00:00	11/10/10 18:55	53469-21-9	
PCB-1248 (Aroclor 1248)	ND ug/kg		2560	10	11/02/10 00:00	11/10/10 18:55	12672-29-6	
PCB-1254 (Aroclor 1254)	ND ug/kg		2560	10	11/02/10 00:00	11/10/10 18:55	11097-69-1	
PCB-1260 (Aroclor 1260)	22300 ug/kg		2560	10	11/02/10 00:00	11/10/10 18:55	11096-82-5	
Tetrachloro-m-xylene (S)	0 %		35-124	10	11/02/10 00:00	11/10/10 18:55	877-09-8	D4,S4
Decachlorobiphenyl (S)	0 %		15-120	10	11/02/10 00:00	11/10/10 18:55	2051-24-3	S4
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87							
Percent Moisture	25.7 %		0.50	1			11/01/10 00:00	

Date: 11/11/2010 02:28 PM

## REPORT OF LABORATORY ANALYSIS

Page 32 of 41

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## ANALYTICAL RESULTS

Project: PCBs  
Pace Project No.: 6087699

Sample: CS-119 / 0.5-1 Lab ID: 6087699038 Collected: 10/19/10 13:10 Received: 10/19/10 16:26 Matrix: Solid

**Results reported on a "dry-weight" basis**

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082 GCS PCB SW</b>		Analytical Method: EPA 8082 Preparation Method: EPA 3546						
PCB-1016 (Aroclor 1016)	ND ug/kg		241	1	11/02/10 00:00	11/10/10 14:39	12674-11-2	
PCB-1221 (Aroclor 1221)	ND ug/kg		241	1	11/02/10 00:00	11/10/10 14:39	11104-28-2	
PCB-1232 (Aroclor 1232)	ND ug/kg		241	1	11/02/10 00:00	11/10/10 14:39	11141-16-5	
PCB-1242 (Aroclor 1242)	ND ug/kg		241	1	11/02/10 00:00	11/10/10 14:39	53469-21-9	
PCB-1248 (Aroclor 1248)	ND ug/kg		241	1	11/02/10 00:00	11/10/10 14:39	12672-29-6	
PCB-1254 (Aroclor 1254)	ND ug/kg		241	1	11/02/10 00:00	11/10/10 14:39	11097-69-1	
PCB-1260 (Aroclor 1260)	ND ug/kg		241	1	11/02/10 00:00	11/10/10 14:39	11096-82-5	
Tetrachloro-m-xylene (S)	79 %		35-124	1	11/02/10 00:00	11/10/10 14:39	877-09-8	
Decachlorobiphenyl (S)	89 %		15-120	1	11/02/10 00:00	11/10/10 14:39	2051-24-3	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87							
Percent Moisture	20.5 %		0.50	1		11/01/10 00:00		

Date: 11/11/2010 02:28 PM

## REPORT OF LABORATORY ANALYSIS

Page 33 of 41

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## QUALITY CONTROL DATA

Project: PCBs  
Pace Project No.: 6087699

QC Batch:	OEXT/26266	Analysis Method:	EPA 8082
QC Batch Method:	EPA 3546	Analysis Description:	8082 GCS PCB
Associated Lab Samples:	6087699001, 6087699002, 6087699003, 6087699004, 6087699008, 6087699011, 6087699013, 6087699016, 6087699018, 6087699020, 6087699022, 6087699024, 6087699026, 6087699028, 6087699030		

METHOD BLANK:	725465	Matrix:	Solid
Associated Lab Samples:	6087699001, 6087699002, 6087699003, 6087699004, 6087699008, 6087699011, 6087699013, 6087699016, 6087699018, 6087699020, 6087699022, 6087699024, 6087699026, 6087699028, 6087699030		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	ND	32.6	10/29/10 10:03	
PCB-1221 (Aroclor 1221)	ug/kg	ND	32.6	10/29/10 10:03	
PCB-1232 (Aroclor 1232)	ug/kg	ND	32.6	10/29/10 10:03	
PCB-1242 (Aroclor 1242)	ug/kg	ND	32.6	10/29/10 10:03	
PCB-1248 (Aroclor 1248)	ug/kg	ND	32.6	10/29/10 10:03	
PCB-1254 (Aroclor 1254)	ug/kg	ND	32.6	10/29/10 10:03	
PCB-1260 (Aroclor 1260)	ug/kg	ND	32.6	10/29/10 10:03	
Decachlorobiphenyl (S)	%	91	15-120	10/29/10 10:03	
Tetrachloro-m-xylene (S)	%	87	35-124	10/29/10 10:03	

LABORATORY CONTROL SAMPLE: 725466

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	166	167	100	64-114	
PCB-1260 (Aroclor 1260)	ug/kg	166	174	105	54-119	
Decachlorobiphenyl (S)	%			95	15-120	
Tetrachloro-m-xylene (S)	%			93	35-124	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 725467 725468

Parameter	Units	6087699003 Result	MS Spike	MSD Spike	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Max RPD	Qual
			Conc.	Conc.								
PCB-1016 (Aroclor 1016)	ug/kg	ND	1280	1320	1420	1430	112	109	29-150	1	29	
PCB-1260 (Aroclor 1260)	ug/kg	ND	1280	1320	1790	1690	120	109	37-126	6	29	
Decachlorobiphenyl (S)	%						92	92	15-120			
Tetrachloro-m-xylene (S)	%						89	90	35-124			

Date: 11/11/2010 02:28 PM

## REPORT OF LABORATORY ANALYSIS

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Page 34 of 41



## QUALITY CONTROL DATA

Project: PCBs  
Pace Project No.: 6087699

QC Batch:	OEXT/26351	Analysis Method:	EPA 8082
QC Batch Method:	EPA 3546	Analysis Description:	8082 GCS PCB
Associated Lab Samples:	6087699005, 6087699006, 6087699007, 6087699009, 6087699012, 6087699014, 6087699017, 6087699019, 6087699032, 6087699033, 6087699035, 6087699036, 6087699038		

METHOD BLANK:	728910	Matrix:	Solid
Associated Lab Samples:	6087699005, 6087699006, 6087699007, 6087699009, 6087699012, 6087699014, 6087699017, 6087699019, 6087699032, 6087699033, 6087699035, 6087699036, 6087699038		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	ND	32.9	11/10/10 15:07	
PCB-1221 (Aroclor 1221)	ug/kg	ND	32.9	11/10/10 15:07	
PCB-1232 (Aroclor 1232)	ug/kg	ND	32.9	11/10/10 15:07	
PCB-1242 (Aroclor 1242)	ug/kg	ND	32.9	11/10/10 15:07	
PCB-1248 (Aroclor 1248)	ug/kg	ND	32.9	11/10/10 15:07	
PCB-1254 (Aroclor 1254)	ug/kg	ND	32.9	11/10/10 15:07	
PCB-1260 (Aroclor 1260)	ug/kg	ND	32.9	11/10/10 15:07	
Decachlorobiphenyl (S)	%	84	15-120	11/10/10 15:07	
Tetrachloro-m-xylene (S)	%	78	35-124	11/10/10 15:07	

LABORATORY CONTROL SAMPLE: 728911

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	166	150	90	64-114	
PCB-1260 (Aroclor 1260)	ug/kg	166	164	99	54-119	
Decachlorobiphenyl (S)	%			91	15-120	
Tetrachloro-m-xylene (S)	%			83	35-124 M4	

Date: 11/11/2010 02:28 PM

## REPORT OF LABORATORY ANALYSIS

Page 35 of 41

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**QUALITY CONTROL DATA**

Project: PCBs  
Pace Project No.: 6087699

QC Batch:	PMST/5603	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
Associated Lab Samples:	6087699001, 6087699002, 6087699003, 6087699004, 6087699008, 6087699011, 6087699013, 6087699016, 6087699018, 6087699020, 6087699022, 6087699024, 6087699026, 6087699028		

METHOD BLANK:	725272	Matrix:	Solid
Associated Lab Samples:	6087699001, 6087699002, 6087699003, 6087699004, 6087699008, 6087699011, 6087699013, 6087699016, 6087699018, 6087699020, 6087699022, 6087699024, 6087699026, 6087699028		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Percent Moisture	%	ND	0.50	10/26/10 00:00	

SAMPLE DUPLICATE: 725273

Parameter	Units	6087699020 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	21.3	22.7	7	20	

Date: 11/11/2010 02:28 PM

**REPORT OF LABORATORY ANALYSIS**

Page 36 of 41

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## QUALITY CONTROL DATA

Project: PCBs  
 Pace Project No.: 6087699

QC Batch:	PMST/5604	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
Associated Lab Samples:	6087699030		

METHOD BLANK: 725331 Matrix: Solid

Associated Lab Samples: 6087699030

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Percent Moisture	%	ND	0.50	10/27/10 00:00	

SAMPLE DUPLICATE: 725332

Parameter	Units	Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	19.4	20.1	4	20	

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## REPORT OF LABORATORY ANALYSIS

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Page 37 of 41



## QUALITY CONTROL DATA

Project: PCBs  
 Pace Project No.: 6087699

QC Batch:	PMST/5624	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
Associated Lab Samples:	6087699005, 6087699006, 6087699007, 6087699009, 6087699012, 6087699014, 6087699017, 6087699019, 6087699032, 6087699033, 6087699035, 6087699036, 6087699038		

METHOD BLANK:	728450	Matrix:	Solid
Associated Lab Samples:	6087699005, 6087699006, 6087699007, 6087699009, 6087699012, 6087699014, 6087699017, 6087699019, 6087699032, 6087699033, 6087699035, 6087699036, 6087699038		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Percent Moisture	%	ND	0.50	11/01/10 00:00	

SAMPLE DUPLICATE: 728451

Parameter	Units	Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	6087699005	25.4	25.4	0	20

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## REPORT OF LABORATORY ANALYSIS

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Page 38 of 41



## QUALIFIERS

Project: PCBs  
Pace Project No.: 6087699

### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

### ANALYTE QUALIFIERS

- D4      Sample was diluted due to the presence of high levels of target analytes.
- M4      A matrix spike/matrix spike duplicate was not performed for this batch due to sample dilution.
- S4      Surrogate recovery not evaluated against control limits due to sample dilution.